



## SLC35D1 blocking peptide (CDBP6139)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Antigen Description</b> | Glycosylation of cellular glycoconjugates occurs in the endoplasmic reticulum (ER) and Golgi compartment, and requires transport of nucleotide sugars from the cytosol into the lumen of the ER and Golgi by specific transporters. The protein encoded by this gene resides in the ER, and transports both UDP-glucuronic acid (UDP-GlcA) and UDP-N-acetylgalactosamine (UDP-GalNAc) from the cytoplasm to the ER lumen. It may participate in glucuronidation and/or chondroitin sulfate biosynthesis. Mutations in this gene are associated with Schneckenbecken dysplasia.[provided by RefSeq, Sep 2009] |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>        | Used as a blocking peptide in immunoblotting applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Format</b>              | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>       | 200 µg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Size</b>                | 0.05 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Preservative</b>        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>             | -20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### GENE INFORMATION

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|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">SLC35D1 solute carrier family 35 (UDP-GlcA/UDP-GalNAc transporter), member D1 [ Homo sapiens (human) ]</a>                                            |
| <b>Official Symbol</b> | SLC35D1                                                                                                                                                           |
| <b>Synonyms</b>        | SLC35D1; solute carrier family 35 (UDP-GlcA/UDP-GalNAc transporter), member D1; UGTREL7; UDP-glucuronic acid/UDP-N-acetylgalactosamine transporter; UDP-GlcA/UDP- |

GalNAc transporter; solute carrier family 35 member D1; UDP-galactose transporter-related 7; UDP-galactose transporter-related protein 7; solute carrier family 35 (UDP-glucuronic acid/UDP-N-acetylgalactosamine dual transporter), member D1

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|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez Gene ID | <a href="#">23169</a>                                                                                                                                                                                                        |
| mRNA Refseq    | <a href="#">NM_015139</a>                                                                                                                                                                                                    |
| Protein Refseq | <a href="#">NP_055954</a>                                                                                                                                                                                                    |
| UniProt ID     | Q9NTN3                                                                                                                                                                                                                       |
| Pathway        | Biological oxidations; Formation of the active cofactor; Glucuronidation; Metabolism; Phase II conjugation; SLC-mediated transmembrane transport; Transmembrane transport of small molecules; Transport of nucleotide sugars |
| Function       | UDP-glucuronic acid transmembrane transporter activity                                                                                                                                                                       |