



## Human TRPM5 blocking peptide (CDBP3077)

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

### PRODUCT INFORMATION

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| <b>Product Overview</b>    | Blocking/Immunizing peptide for anti-TRPM5/MTR1 antibody   |
| <b>Antigen Description</b> | This gene encodes a member of the transient receptor potential (TRP) protein family, which is a diverse group of proteins with structural features typical of ion channels. This protein plays an important role in taste transduction, and has characteristics of a calcium-activated, non-selective cation channel that carries Na <sup>+</sup> , K <sup>+</sup> , and Cs <sup>+</sup> ions equally well, but not Ca(2+) ions. It is activated by lower concentrations of intracellular Ca(2+), and inhibited by higher concentrations. It is also a highly temperature-sensitive, heat activated channel showing a steep increase of inward currents at temperatures between 15 and 35 degrees Celsius. This gene is located within the Beckwith-Wiedemann syndrome critical region-1 on chromosome 11p15.5, and has been shown to be imprinted, with exclusive expression from the paternal allele. [provided by RefSeq, Oct 2010] |
| <b>Species</b>             | Human  |
| <b>Conjugate</b>           | Unconjugated   |
| <b>Applications</b>        | Apuri, BL, ELISA   |
| <b>Format</b>              | Lyophilized powder   |
| <b>Size</b>                | 100 µg   |
| <b>Preservative</b>        | None   |
| <b>Storage</b>             | Shipped at ambient temperature, store at -20°C.  |

### GENE INFORMATION

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| <b>Gene Name</b> | <a href="#">TRPM5 transient receptor potential cation channel, subfamily M, member 5 [ Homo sapiens ]</a> |
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| <b>Official Symbol</b>     | TRPM5  |
| <b>Synonyms</b>            | TRPM5; transient receptor potential cation channel, subfamily M, member 5; transient receptor potential cation channel subfamily M member 5; LTRPC5; MTR1; LTrpC-5; MLSN1 and TRP-related; MLSN1- and TRP-related gene 1 protein; long transient receptor potential channel 5; |
| <b>Entrez Gene ID</b>      | <a href="#">29850</a>  |
| <b>mRNA Refseq</b>         | <a href="#">NM_014555</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_055370</a>  |
| <b>UniProt ID</b>          | Q9NZQ8   |
| <b>Chromosome Location</b> | 11p15.5  |
| <b>Pathway</b>             | Taste transduction, organism-specific biosystem; Taste transduction, conserved biosystem;  |
| <b>Function</b>            | ion channel activity; receptor activity; voltage-gated ion channel activity;   |

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