



Human GALNS blocking peptide (CDBP1328)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-GALNS antibody
Antigen Description	This gene encodes N-acetylgalactosamine-6-sulfatase which is a lysosomal exohydrolase required for the degradation of the glycosaminoglycans, keratan sulfate, and chondroitin 6-sulfate. Sequence alterations including point, missense and nonsense mutations, as well as those that affect splicing, result in a deficiency of this enzyme. Deficiencies of this enzyme lead to Morquio A syndrome, a lysosomal storage disorder.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	GALNS galactosamine (N-acetyl)-6-sulfate sulfatase [Homo sapiens]
Official Symbol	GALNS
Synonyms	GALNS; galactosamine (N-acetyl)-6-sulfate sulfatase; N-acetylgalactosamine-6-sulfatase; GALNAC6S; GAS; Morquio syndrome; mucopolysaccharidosis type IVA; chondroitinase; galNAC6S sulfatase; chondroitinsulfatase; galactose-6-sulfate sulfatase; N-

acetylgalactosamine-6-sulfate sulfatase; MPS4A; FLJ17434; FLJ42844; FLJ98217;

Entrez Gene ID	2588
mRNA Refseq	NM_000512
Protein Refseq	NP_000503
UniProt ID	P34059
Chromosome Location	16q24.3
Pathway	Chondroitin sulfate degradation, organism-specific biosystem; Chondroitin sulfate degradation, conserved biosystem; Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation, conserved biosystem; Keratan sulfate degradation, organism-specific biosystem; Keratan sulfate degradation, conserved biosystem; Lysosome, organism-specific biosystem;
Function	N-acetylgalactosamine-4-sulfatase activity; N-acetylgalactosamine-6-sulfatase activity; hydrolase activity; metal ion binding; sulfuric ester hydrolase activity;