



Human NEU3 peptide (DAG-P1165)

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

PRODUCT INFORMATION

Antigen Description	This gene product belongs to a family of glycohydrolytic enzymes which remove sialic acid residues from glycoproteins and glycolipids. It is localized in the plasma membrane, and its activity is specific for gangliosides. It may play a role in modulating the ganglioside content of the lipid bilayer. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	NEU3 sialidase 3 (membrane sialidase) [Homo sapiens (human)]
Official Symbol	NEU3
Synonyms	NEU3; sialidase 3 (membrane sialidase); SIAL3; sialidase-3; neuraminidase 3; membrane sialidase; ganglioside sialidase; N-acetyl-alpha-neuraminidase 3;
Entrez Gene ID	10825
mRNA Refseq	NM_006656.5
Protein Refseq	NP_006647.3
Chromosome Location	11q13.5

Pathway	Glycosphingolipid metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Other glycan degradation, organism-specific biosystem; Other glycan degradation, conserved biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, conserved biosystem;
Function	alpha-sialidase activity; exo-alpha-(2->3)-sialidase activity; exo-alpha-(2->6)-sialidase activity; exo-alpha-(2->8)-sialidase activity; exo-alpha-sialidase activity;