

Recombinant Human NEU1, His-tagged

Cat. No. NEU1-1266H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NEU1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-415aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	NEU1 sialidase 1 (lysosomal sialidase) [Homo sapiens]
Official Symbol	NEU1
Synonyms	NEU1; sialidase 1 (lysosomal sialidase); NEU; sialidase-1; G9 sialidase; exo-alpha-sialidase; lysosomal sialidase; acetylneuraminyl hydrolase; N-acetyl-alpha-neuraminidase 1; NANH; SIAL1; FLJ93471;

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Gene ID	4758
mRNA Refseq	NM_000434
Protein Refseq	NP_000425
MIM	608272
UniProt ID	Q99519
Chromosome Location	6p21
Pathway	Glycosphingolipid metabolism, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Other glycan degradation, organism-specific biosystem; Other glycan degradation, conserved biosystem;
Function	exo-alpha-(2->3)-sialidase activity; exo-alpha-(2->6)-sialidase activity; exo-alpha-(2->8)-sialidase activity; exo-alpha-sialidase activity; hydrolase activity, acting on glycosyl bonds;