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Product datasheet for TP721041

Neuraminidase (NEU1) (NM_000434) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human sialidase 1 (lysosomal sialidase) (NEU1)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Glu48-Leu415
Tag:	C-His
Predicted MW:	41.27 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000425
Locus ID:	4758
UniProt ID:	Q99519, Q5JQI0
RefSeq Size:	2088
Cytogenetics:	6p21.33
RefSeq ORF:	1245
Synonyms:	NANH; NEU; SIAL1

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Summary:	The protein encoded by this gene is a lysosomal enzyme that cleaves terminal sialic acid residues from substrates such as glycoproteins and glycolipids. In the lysosome, this enzyme is part of a heterotrimeric complex together with beta-galactosidase and cathepsin A (the latter is also referred to as 'protective protein'). Mutations in this gene can lead to sialidosis, a lysosomal storage disease that can be type 1 (cherry red spot-myoclonus syndrome or normosomatic type), which is late-onset, or type 2 (the dysmorphic type), which occurs at an earlier age with increased severity. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome, Other glycan degradation, Sphingolipid metabolism