

Recombinant Human Sialidase-1/NEU-1 Protein (His Tag)



Catalog Number: PKSH033056

Note: Centrifuge before opening to ensure complete recovery of vial contents.

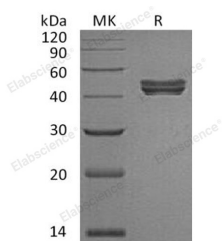
Description

Synonyms	Sialidase-1; Acetylneuraminyl Hydrolase; G9 Sialidase; Lysosomal Sialidase; N-Acetyl-Alpha-Neuraminidase 1; NEU1; NANH
Species	Human
Expression Host	HEK293 Cells
Sequence	Glu48-Leu415
Accession	Q99519
Calculated Molecular Weight	41.3 kDa
Observed molecular weight	39-50 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 50% Glycerol, pH 7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Sialidase-1 belongs to the N-acetyl-a neuraminidase family. Sialidase-1 is expressed in many tissues; it is highly expressed in the pancreas, and weakly expressed in the brain. Sialidase-1 is a lysosomal enzyme, which cleaves terminal sialic acid residues from substrates such as glycoproteins and glycolipids. Deficiencies in the human enzyme Sialidase-1 leads to sialidosis, a rare lysosomal storage disease. Sialidase-1 has been shown to interact with Cathepsin A (protective protein), β -galactosidase and N-acetylgalactosamine-6-sulfate sulfatase in a multienzyme complex.

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