

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

Catalog Number: PKSH033056

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

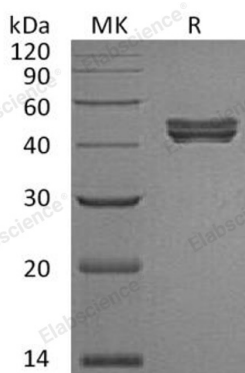
Description

Species	Human
Source	HEK293 Cells-derived Human Sialidase-1;NEU-1 protein Glu48-Leu415, with an C-terminal His
Calculated MW	41.3 kDa
Observed MW	39-50 kDa
Accession	Q99519
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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.

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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