

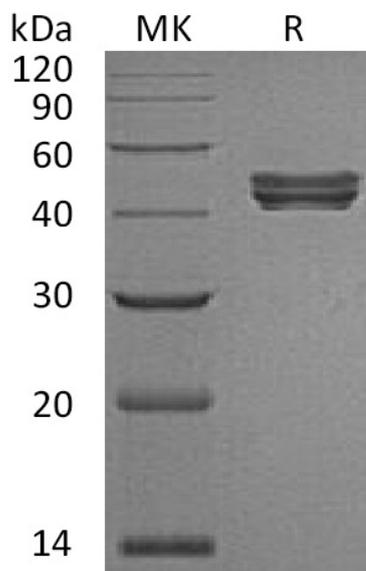
Product Name: Recombinant Human Sialidase-1 (C-6His)
Catalog #: PHH1207



Summary

Name	NEU-1/Sialidase-1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human N-acetyl-alpha-Neuraminidase 1 is produced by our Mammalian expression system and the target gene encoding Glu48-Leu415 is expressed with a 6His tag at the C-terminus.
Accession #	Q99519
Host	Human Cells
Species	Human
Predicted Molecular Mass	41.27 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 50% Glycerol, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

Sialidase-1; Acetylneuraminyl Hydrolase; G9 Sialidase; Lysosomal Sialidase; N-Acetyl-Alpha-Neuraminidase 1; NEU1; NANH

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.

Note

For Research Use Only , Not for Diagnostic Use.