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Datasheet for ABIN7319034 **NEU1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	NEU1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEU1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Sialidase-1/NEU-1 Protein (His Tag)
Sequence:	Glu48-Leu415
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NEU1
Alternative Name:	Sialidase-1/NEU-1 (NEU1 Products)
Background:	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

Target Details

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.

Synonym: Sialidase-1, Acetylneuraminyl Hydrolase, G9 Sialidase, Lysosomal Sialidase, N-Acetyl-Alpha-Neuraminidase 1, NEU1, NANH

Molecular Weight:	41.3 kDa
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UniProt:	Q99519
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Pathways:	SARS-CoV-2 Protein Interactome
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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