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## Datasheet for ABIN2115431 **NEU1 Protein (AA 48-415) (His tag)**

### Overview

Quantity:	50 µg
Target:	NEU1
Protein Characteristics:	AA 48-415
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 (C-6His)
Sequence:	ENDFGLVQPL VTMEQLLWVS GRQIGSVDTF RIPLITATPR GTLLAF AEAR KMSSSDEGAK FIALRRSMDQ GSTWSPTAFI VNDGDVPDGL NLGAVVSDVE TGVVFLFYSL CAHKAGCQVA STMLVWSKDD GVSWSPTPRNL SLDIGTEVFA PGP GSGIQKQ REPRKGRLIV CGHGT LERDG VFCLLSDDHG ASWRYGSGVS GIPYGQPKQE NDFNPDECQP YELPDG SVVI NARNQN NYHC HCRIVLRSYD ACDTLRPRDV TFDPELVDPV VAAGAVVTSS GIVFFSNPAH PEFRVNLTLR WSFSNGTSWR KETVQLWPGP SGYSSLATLE GSMDGEEQAP QLYVLYEKGR NHYTESISVA KISVYGT LVD HHHHHH
Characteristics:	Recombinant Human Sialidase-1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Glu48-Leu415) of Human NEU1 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	NEU1
Alternative Name:	Sialidase-1 ( <a href="#">NEU1 Products</a> )
Background:	<p>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.</p> <p>Synonyms: Sialidase-1, Acetylneuraminydase, G9 Sialidase, Lysosomal Sialidase, N-Acetyl-Alpha-Neuraminidase 1, NEU1, NANH</p>
Molecular Weight:	41.27 kDa
UniProt:	<a href="#">Q99519</a>
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt.

Handling

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Please minimize freeze-thaw cycles.

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Expiry Date: 6 months