

Sialidase-1 (Neu1) Recombinant Protein | Neu1 recombinant protein

Recombinant Mouse Sialidase-1 (Neu1)

CATALOG # AAA115009	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Sialidase-1 (Neu1); Recombinant Mouse Sialidase-1 (Neu1); Neu1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	42-409. Full Length of Mature Protein
Sequence	EDDFSLVQPL VTMEQLLWVS GKQIGSVDTF RIPLITATPR GTLLAFAEAR KKSASDEGAK FIAMRRSTDQ GSTWSSTAFI VDDGEASDGL NLGAVVNDVD TGIVFLIYTL CAHKVNCQVA STMLVWSKDD GISWSPPRNL SVDIGTEMFA PGP GSGIQKQ REPGKGR LIV CGHGT LERD G VFCLLSDDHG ASWHYGTGVS GIPFGQPKHD HDFNPDECQP YELPDGSVII NARNQNNYHC RCRIVLRSYD ACDTLRPRDV TFDPELVDPV VAAGALATSS GIVFFSNPAH PEFRVNLTLR WSFSNGTSWQ KERVQVWPGP SGYSSLTALE NSTDGKKQPP QLFVLYEKGL NRYTESISMV KISVYGT L
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Neu1 recombinant protein	This protein is a lysosomal enzyme that cleaves terminal sialic acid residues from substrates such as glycoproteins and glycolipids. In the lysosome, this enzyme is part of a heterotrimeric complex together with beta-galactosidase and cathepsin A (the latter is also referred to as protective protein). Mutations in this gene can lead to sialidosis, a lysosomal storage disease that can be type 1 (cherry red spot-myoclonus syndrome or normosomatic type), which is late-onset, or type 2 (the dysmorphic type), which occurs at an earlier age with increased severity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	254939721
NCBI GeneID	18010
NCBI Accession #	NP_035023.3
NCBI GenBank Nucleotide #	NM_010893.3
UniProt Accession #	O35657 ; O55220 ; Q99KG9
Molecular Weight	42.3
NCBI Official Full Name	sialidase-1
NCBI Official Synonym Full Names	neuraminidase 1
NCBI Official Symbol	Neu1

NCBI Official Synonym Symbols	G9; Apl; Neu; Aglp; Bat7; Bat-7; Map-2; Neu-1; AA407268; AA407316
NCBI Protein Information	sialidase-1
UniProt Protein Name	Sialidase-1
UniProt Gene Name	Neu1
UniProt Synonym Gene Names	Neu

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/neu1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115009>