

NEu1 recombinant protein

NEu1, 48-415aa, Human, His tag, E Coli

CATALOG # AAA48731	HOST E Coli	APPLICATIONS SDS-Page
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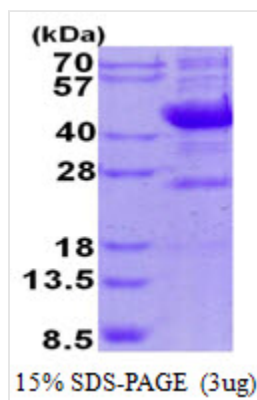
PRODUCT SYNONYMS

NEu1; 48-415aa; Human; His tag; E Coli; Sialidase 1 (lysosomal sialidase); NANH; NEu; SIAL1; NEu1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	GSSHHHHHHS SGLVPRGSHM GSHMENDFGL VQPLVTMEQL LWVSGRQIGS VDTFRIPLIT ATPRGTLTAF AEARKMSSSD EGAKFIALRR SMDQGSTWSP TAFIVNDGDV PDGLNLGAVV SDVETGVVFL FYSLCAHKAG CQVASTMLVW SKDDGVSWST PRNLSLDIGT EVFAPGPGSG IQKQREPRKG RLIVCGHGT L ERDGVFCLLS DDHGASWRYG SGVSGIPYGQ PKQENDFNPD ECQPYELPDG SVVINARNQN NYHCHCRIVL RSYDACDTLR PRDVTFDPEL VDPVVAAGAV VTSSGIVFFS NPAHPEFRVN LTLRWSFSNG TSWRKETVQL WPGPSGYSSL ATLEGSMDGE EQAPQLYVLY EKGRNHYTES ISVAKISVYG TL
Sequence Length	48-415aa
Applicable Applications for NEu1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for NEU1 recombinant protein	NEU1 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. Mutations in this gene can lead to sialidosis, a lysosomal storage disease that can be type 1 (cherry red -myoclonus syndrome or normosomatic type), which is late-onset, or type 2 (the dysmorphic type), which occurs at an earlier age with increased severity. Recombinant human NEU1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for NEU1 recombinant protein	Metabolism
References	Abdulkhalek,S., et al. (2011) J. Biol. Chem. 286 (42), 36532-36549

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557791
NCBI GeneID	4758
NCBI Accession #	NP_000425
NCBI GenBank Nucleotide #	NM_000434.3
UniProt Accession #	Q99519
Molecular Weight	42.9 kDa (393aa), confirmed by MALDI-TOF
NCBI Official Full Name	sialidase-1
NCBI Official Synonym Full Names	neuraminidase 1
NCBI Official Symbol	NEU1
NCBI Official Synonym Symbols	NEU; NANH; SIAL1
NCBI Protein Information	sialidase-1
UniProt Protein Name	Sialidase-1
UniProt Gene Name	NEU1
UniProt Synonym Gene Names	NANH

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-sds-page/48731>