



Recombinant Human Alpha-N-acetylgalactosaminidase (NAGA)

Product Code	CSB-EP015414HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P17050
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	LDN GLLQTPPMGW LAWERFRCNI NCDEDPKNCI SEQLFMEMAD RMAQDGWRDM GYTYLNIDDC WIGGRDASGR LMPDPKRFPH GIPFLADYVH SLGLKLGIIYA DMGNFTCMGY PGTTLDKVVQ DAQTFAEWKV DMLKLDGCFS TPEERAQGYP KMAAALNATG RPIAFSCSWP AYEGGLPPRV NYSLLADICN LWRNYDDIQD SWWSVLSILN WFVEHQDILQ PVAGPGHWND PDMLLIGNFG LSLEQSRAQM ALWTVLAAPL LMSTDLRTIS AQNMDILQNP LMIKINQDPL GIQGRRIHKE KSLIEVYMRP LSNKASALVF FSCRTDMPYR YHSSLGQLNF TGSVIYEAQD VYSGDIISGL RDETNFTVII NPSGVVMWYL YPIKNLEMSQ Q
Source	E.coli
Target Names	NAGA
Protein Names	Recommended name: Alpha-N-acetylgalactosaminidase EC= 3.2.1.49 Alternative name(s): Alpha-galactosidase B
Expression Region	18-411
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	NAGA encodes the lysosomal enzyme alpha-N-acetylgalactosaminidase, which cleaves alpha-N-acetylgalactosaminyl moieties from glycoconjugates. Mutations in NAGA have been identified as the cause of Schindler disease types I and II (type II also known as Kanzaki disease).
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.