



# Recombinant Human Alpha-N-acetylgalactosaminidase (NAGA)

<b>Product Code</b>	CSB-EP015414HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P17050
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	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
<b>Source</b>	E.coli
<b>Target Names</b>	NAGA
<b>Protein Names</b>	Recommended name: Alpha-N-acetylgalactosaminidase EC= 3.2.1.49 Alternative name(s): Alpha-galactosidase B
<b>Expression Region</b>	18-411
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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).
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.