

# Recombinant Human NAGA protein, His-tagged

**Cat. No.** NAGA-3918H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NAGA protein(22-411 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 22-411 aa                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                                                                                                                              |
| <b>AA Sequence</b>      | LLQTPPMGWLAWERFRCNINCEDEPKNCISEQLFMEMADRMAQDGWRDMGYTYL<br>NIDDCWIGGRDASGRLMPDPKRFPHGIPFLADYVHSLGLKGLGIYADMGNFTCMGY<br>GTTLDKVVQDAQTFAEWKVDMLKLDGCFSTPEERAQGYPKMAAALNATGRPIAFSC<br>SWPAYEGGLPPRVNYSLLADICNLWRNYDDIQDSWWSVLSILNWFVEHQDILQPVA<br>GPGHWNDPDMLLIGNFGLSLEQSRAQMALWTVLAAPLLMSTDRLRTISAQNMDILQN<br>PLMIKINQDPLGIQGRRIHKEKSLIEVYMRPLSNKASALVFFSCRTDMPYRYHSSLGQ<br>LNFTGSVIYEAQDVYSGDIISGLRDETNTFTVIINPSGVVMWYLYPIKNLEMSQQ |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer                                                                                                                                                                                                                                                                                         |

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** NAGA N-acetylgalactosaminidase, alpha- [ Homo sapiens ]

**Official Symbol** NAGA

**Synonyms**

NAGA; N-acetylgalactosaminidase, alpha-; alpha-N-acetylgalactosaminidase; D22S674; alpha-galactosidase B; Acetylgalactosaminidase, alpha-N- (alpha-galactosidase B); GALB;

**Gene ID** 4668

**mRNA Refseq** NM\_000262

**Protein Refseq** NP\_000253

**MIM** 104170

**UniProt ID** P17050

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