

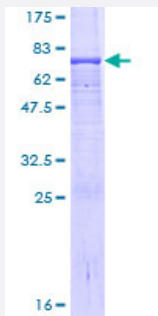
Full-Length

NAGA (Human) Recombinant Protein (P01)

Catalog # H00004668-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NAGA full-length ORF (NP_000253.1, 1 a.a. - 411 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLLKTVLLLGHVLAQVLMMLDNGLLQTPPMGWLAWERFRCNINCDDEPKNCISEQLFMEMADRMA
QDGWRDMGYTYLNIDDCWIGGRDASGRLMPDPKRFPHGIPFLADYVHSLGLKLGADMGNFTCM
GYPGTTLKVVQDAQTFAEWKVDMLKLDGCFSTPEERAQGYPKMAAALNATGRPIAFSCSWPA
YEGGLPPRVNYSLLADICNLWRNYDDIQDSWWSVLSILNWFVEHQDILQPVAGPGHWNDPDMILLI
GNFGLSLEQSRAQMALWTVLAAPLLMSTDLRTISAQNMDILQNPLMIKINQDPLGIQGRRIHKEKSLI
EVYMRPLSNKASALVFFSCRTDMPYRYHSSLGQLNFTGSVIYEAQDVYSGDIISGLRDETNTFTVINP
SGVVMWYLYPIKNLEMSQQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NAGA

Entrez GeneID [4668](#)

GeneBank Accession# [NM_000262.1](#)

Protein Accession# [NP_000253.1](#)

Gene Name NAGA

Gene Alias D22S674, GALB

Gene Description N-acetylgalactosaminidase, alpha-

Omim ID [104170](#) [609241](#) [609242](#)

Gene Ontology [Hyperlink](#)

Gene Summary NAGA encodes the lysosomal enzyme alpha-N-acetylgalactosaminidase, which cleaves alpha-N-acetylgalactosaminy l moieties from glycoconjugates. Mutations in NAGA have been identified as t he cause of Schindler disease types I and II (type II also known as Kanzaki disease). [provided by RefSeq

Other Designations Acetylgalactosaminidase, alpha-N- (alpha-galactosidase B)|alpha-N-acetylgalactosaminidase

Pathway

- [Glycosphingolipid biosynthesis - globo series](#)
- [Lysosome](#)