

## Product datasheet for TP300707

### NAGA (NM\_000262) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human N-acetylgalactosaminidase, alpha- (NAGA), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC200707 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MLLKTVLLLGHVAVLMLDNGLLQTPPMGWLAWERFRCNINCEDEPKNCISEQLFMEMADRMAQDGWRDM  
GYTYLNIDDCWIGGRDASGRLMPDKRFPHGIPFLADYVHSLGLKGLGIYADMGNFTCMGYPGTTLDKVVQ  
DAQTFAEWKVDMLKLDGCFSTPEERAQGYPKMAAALNATGRPIAFSCSWPAYEGGLPPRVNYSLLADICN  
LWRNYDDIQDSWWSVLSILNWFVEHQDILQPVAGPGHWNDPDMLLIGNFGLSLEQSRAQMALWTVLAAPL  
LMSTDLRTISAQNMDILQNPLMIKINQDPLGIQGRRIHKEKSLIEVYMRPLSNKASALVFFSCRTDMPYR  
YHSSLGQLNFTGSVIYEAQDVYSGDIISGLRDETNTVIINPSGVMMWYLYPIKNLEMSQQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 44.7 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_000253](#)

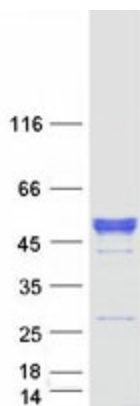
**Locus ID:** 4668



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UniProt ID:	<a href="#">P17050</a> , <a href="#">A0A024R1Q5</a>
RefSeq Size:	3726
Cytogenetics:	22q13.2
RefSeq ORF:	1233
Synonyms:	D22S674; GALB
Summary:	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). [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Glycosphingolipid biosynthesis - globo series, Lysosome

### Product images:



Coomassie blue staining of purified NAGA protein (Cat# TP300707). The protein was produced from HEK293T cells transfected with NAGA cDNA clone (Cat# [RC200707]) using MegaTran 2.0 (Cat# [TT210002]).