

Recombinant Human NAGA, His-tagged

Cat. No. NAGA-344H Lot. No. (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human NAGA (NP_000253.1) (Met1-Gln411) was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	Met1-Gln411
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant human NAGA consists of 405 amino acids and predicts a molecular mass of 46.1 KDa. It migrates as an approximately 46 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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
Chromosome Location	22q13.2
Pathway	Glycosphingolipid biosynthesis - globo series, organism-specific biosystem; Glycosphingolipid biosynthesis - globo series, conserved biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;
Function	alpha-N-acetylgalactosaminidase activity; alpha-galactosidase activity; cation binding; hydrolase activity, hydrolyzing O-glycosyl compounds; protein homodimerization activity;

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