

Recombinant human α -N-acetylgalactosaminidase protein

Catalog Number: ATGP3377

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

18-411aa

UniProt No.

P17050

NCBI Accession No.

NP_000253

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

45.5 kDa (400aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NAGA, also known as alpha-N-acetylgalactosaminidase, is a lysosomal exoglycosidase that cleaves terminal alpha-N-acetylgalactosamine residues from glycopeptides and glycolipids. It is hardly expected to cause an allergic reaction in Fabry disease patients. It is highly promising as a new and safe enzyme for ERT for Fabry

Recombinant human α -N-acetylgalactosaminidase protein

Catalog Number: ATGP3377

disease. Recombinant human NAGA, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

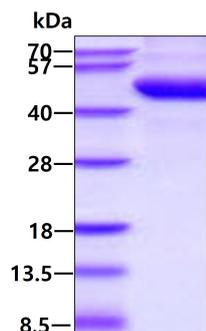
LDNGLLQTPP MGWLAWERFR CNINCEDEPK NCISEQLFME MADRMAQDGW RDMGYTYLNI DDCWIGGRDA
SGRLMPDPKR FPHGIPFLAD YVHSLGLKLG IYADMGNFTC MGYPGTTLDK VVQDAQTF AE WKVDMLKLDG CFSTPEERAQ
GYPKMAAALN ATGRPIAFSC SWPAYEGGLP PRVNYSLLAD ICNLWRNYDD IQDSWWSVLS ILNWFVEHQD ILQPVAGPGH
WNDPDMLLIG NFGLSLEQSR AQMALWTVLA APLLMSTDLR TISAQNMDIL QNPLMIKINQ DPLGIQGRRI HKEKSLIEVY
MRPLSNKASA LVFFSCR TDM PYRYHSSLGQ LNFTG SVIYE AQDVYSGDII SGLRDET NFT VIINPSGVVM WYLYPIKNLE
MSQQ<HHHHHH>

General References

Clark NE., et al. (2009) J Mol Biol. 393:435-447.
Tajima Y., et al. (2009) Am J Hum Genet. 85:569-580.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.