Recombinant human a-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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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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

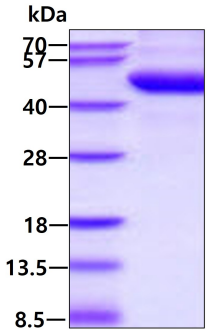
LDNGLLQTPP MGWLAWERFR CNINCDEDPK NCISEQLFME MADRMAQDGW RDMGYTYLNI DDCWIGGRDA SGRLMPDPKR FPHGIPFLAD YVHSLGLKLG IYADMGNFTC MGYPGTTLDK VVQDAQTFAE WKVDMLKLDG CFSTPEERAQ GYPKMAAALN ATGRPIAFSC SWPAYEGGLP PRVNYSLLAD ICNLWRNYDD IQDSWWSVLS ILNWFVEHQD ILQPVAGPGH WNDPDMLLIG NFGLSLEQSR AQMALWTVLA APLLMSTDLR TISAQNMDIL QNPLMIKINQ DPLGIQGRRI HKEKSLIEVY MRPLSNKASA LVFFSCRTDM PYRYHSSLGQ LNFTGSVIYE AQDVYSGDII SGLRDETNFT 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



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