
Product Data Sheet

Product Name: NAGA Human
 Cat. No.: GP21971
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Alpha-N-acetylgalactosaminidase; N-Acetylgalactosaminidase Alpha; NAGA; Alpha-galactosidase B; NAGA; D22S674; GALB.		
Amino Acid Sequence	LDNGLLQTPP MGWLAWERFR CNINCEDEPK NCISEQLFME MADRMAQDGW RDMGYTYLNI DDCWIGGRDA SGRLMPDPKR FPHGIPFLAD YVHSLGLKLG IYADMGNFTC MGYPGTTLDK VVQDAQTFAE WKVDMLKLDG CFSTPEERAQ GYPKMAAALN ATGRPIAFSC SWPAYEGGLP PRVNYSLLAD ICNLWRNYDD IQDSWWSVLS ILNWFVEHQD ILQPVAGPGH WNDPDMLLIG NFGLSLEQSR AQMALWTVLA APLLMSTDRL TISAQNMDIL QNPLMIKINQ DPLGIQGRRI HKEKSLIEVY MRPLSNKASA LVFFSCRTDM PYRYHSSLGQ LNFTGSIYE AQDVYSGDII SGLRDETNFT VIINPSGVVM WYLYPIKNLE MSQQHHHHHH.		
Formulation	NAGA protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol.		

Introduction

N-AcetylgalactosaminidaseAlpha (NAGA) is a lysosomal exoglycosidase which removes terminalalpha-N-acetylgalactosamine residues from glycopeptides and glycolipids. NAGAis necessary for the breakdown of glycolipids.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

NAGA Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 400 amino acids (18-411) and having a molecular mass of

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45.5kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).NAGA is fused to 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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