Beta-Hexosaminidase (nagZ) Escherichia Coli O9:h4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Beta-hexosaminidase (nagZ), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O9:H4 Beta-hexosaminidase (nagZ)
Product Gene Name	nagZ recombinant protein
Sequence	MGPVMLDVEG YELDAEEREI LAHPLVGGLI LFTRNYHDPA QLRELVRQIR AASRNHLVVA VDQEGGRVQR FREGFTRLPA AQSFAALSGM EEGGKLAQEA GWLMASEMIA MDIDISFAPV LDVGHISAAI GERSYHADPQ KALAIASRFI DGMHEAGMKT TGKHFPGHGA VTADSHKETP CDPRPQAEIR AKDMSVFSSL IRENKLDAIM PAHVIYSDVD PRPASGSPYW LKTVLRQELG FDGVIFSDDL SMEGAVIMGS YAERGQASLD AGCDMILVCN NRKGAVSVLD NLSPIKAERV TRLYHKGSFS RQELMDSARW KAISARLNQL HERWQEEKAG H
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	37,574 Da
Sequence Positions	1-341, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for A7ZZ65
Species	Escherichia coli O9:H4 (strain HS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nagZ recombinant protein	MBS1209999 is a recombinant protein targeting nagZ. Also known as Recombinant Escherichia coli O9:H4 Beta-hexosaminidase (nagZ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nagZ recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for nagZ. It may not necessarily be applicable to this product.

NCBI GI #	446451463
NCBI Accession #	WP_000529318.1
UniProt Primary Accession #	A7ZZ65
GenBank Nucleotide #	WP_000529318.1
NCBI Official Full Name	MULTISPECIES: beta-hexosaminidase
UniProt Protein Name	Beta-hexosaminidase

UniProt Synonym Protein Names	Beta-N-acetylhexosaminidase
UniProt Gene Name	nagZ
UniProt Comments for nagZ	Plays a role in peptidoglycan recycling by cleaving the terminal beta-1,4-linked N-acetylglucosamine (GlcNAc) from peptide-linked peptidoglycan fragments, giving rise to free GlcNAc, anhydro-N-acetylmuramic acid and anhydro-N-acetylmuramic acid-linked peptides.
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