

N-Acetyl Beta-D-Glucosaminidase (NAGase) Recombinant Protein | NAGase recombinant protein

Recombinant N-Acetyl Beta-D-Glucosaminidase (NAGase)

CATALOG # AAA134370	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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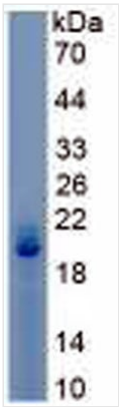
PRODUCT SYNONYMS

N-Acetyl Beta-D-Glucosaminidase (NAGase); Recombinant N-Acetyl Beta-D-Glucosaminidase (NAGase); NAGase recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 80%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for NAGase recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Glu319~Thr450
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm, Chromosome
Traits	Freeze-dried powder
Predicted isoelectric point	5.0
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



EA NYVAIHTLAT WYKSNMNGVR KDVMVTDSED
STVSIQIKLE NEGSDEDIET DVLVSPQMAL KLALTEWLQE FGVPHQYSSR
QVAHSGAKAS VVDGTPLVAA PSLNATTVVT TVYQEPIMSQ GAALSGEPTT

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	215490056
NCBI GeneID	10724
NCBI Accession #	NP_001135906.1
NCBI GenBank Nucleotide #	NM_001142434.1
UniProt Accession #	O60502; O75166; Q86WV0; Q8IV98; Q9BVA5; Q9HAR0; B7WPB9; D3DR79
Molecular Weight	Predicted Molecular Mass: 15.5kDa Accurate Molecular Mass: 20kDa as determined by SDS-PAGE reducing conditions.N/A
NCBI Official Full Name	bifunctional protein NCOAT isoform b
NCBI Official Synonym Full Names	meningioma expressed antigen 5 (hyaluronidase)
NCBI Official Symbol	MGEA5
NCBI Official Synonym Symbols	OGA; MEA5; NCOAT
NCBI Protein Information	bifunctional protein NCOAT; O-GlcNAcase; hyaluronidase in meningioma; meningioma-expressed antigen 5; nuclear cytoplasmic O-GlcNAcase and acetyltransferase
UniProt Protein Name	Protein O-GlcNAcase
UniProt Gene Name	MGEA5
UniProt Synonym Gene Names	OGA
UniProt Entry Name	NCOAT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mgea5-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134370>