

Hexosaminidase A Recombinant Protein | HEXA recombinant protein

Recombinant Human Hexosaminidase A

CATALOG # AAA39104	HOST E Coli
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PRODUCT SYNONYMS

Hexosaminidase A; Recombinant Human Hexosaminidase A; HEXA Human; Hexosaminidase A Human Recombinant; TSD; hexosaminidase A; Beta-hexosaminidase subunit alpha; Beta-N-acetylhexosaminidase subunit alpha; Hexosaminidase subunit A; N-acetyl-beta-glucosaminidase subunit alpha; HEXA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	HEXA protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol. Sterile Filtered clear solution.
Concentration	1mg/ml (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSHMGS TLEKNVLVVS VVTPGCNQLP TLESVENYTL TINDDQCLLL SETVWGALRG LETFSQLVWK SAEGTFFINK TEIEDFPRFP HRGLLDTSR HYLPLSSILD TLDVMAYNKL NVFHWHLVDD PSFPYESFTF PELMRKGSYN PVTHIYTAQD VKEVIEYARL RGIRVLAEDF TPGHTLSWGP GIPGLLTPCY SGSEPSGTFG PVNPSLNNTY EFMSTFFLEV SSVFPDFYLH LGGDEVDFTC WKSNIPEIQDF MRKKGFGEDE KQLESFYIQT LLDIVSSYGK GYVWQEVFD NKVKIQPDTI IQVWREDIPV NYMKELELVT KAGFRALLSA PWYLNRISSYG PDWKDFYVVE PLAFEGTPEQ KALVIGGEAC MWGEYVDNTN LVPRLWPRAG AVAERLWSNK LTSDLTFAYE RLSHFRCELL RRGVQAQPLN VGFCEQEFEQ T.
Sequence Length	529
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.

ADDITIONAL INFORMATION

Related Product Information for HEXA recombinant protein	Description: HEXA Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 464 amino acids (89-529 a.a) and having a molecular mass of 52.9 kDa. HEXA is fused to a 23 amino acid His-tag at N-terminus Purified by proprietary chromatographic techniques. Introduction: HEXA is the alpha subunit of the lysosomal enzyme beta-hexosaminidase which, combined with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules having N-acetyl hexosamines terminus. The two subunits composing Beta-hexosaminidase, alpha and beta, belong to the glycosyl hydrolases family and are encoded by distinct genes. Alpha subunit gene mutations can cause Tay-Sachs disease (GM2-gangliosidosis type I).
Product Categories/Family for HEXA recombinant protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	189181666
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NCBI GeneID	3073
NCBI Accession #	NP_000511.2
NCBI GenBank Nucleotide #	NM_000520.4
UniProt Accession #	P06865; Q53HS8; Q6AI32; B4DKE7; E7ENH7
NCBI Official Full Name	beta-hexosaminidase subunit alpha preproprotein
NCBI Official Synonym Full Names	hexosaminidase A (alpha polypeptide)
NCBI Official Symbol	HEXA
NCBI Official Synonym Symbols	TSD
NCBI Protein Information	beta-hexosaminidase subunit alpha; N-acetyl-beta-glucosaminidase subunit alpha; beta-N-acetylhexosaminidase subunit alpha; hexosaminidase subunit A
UniProt Protein Name	Beta-hexosaminidase subunit alpha
UniProt Gene Name	HEXA
UniProt Synonym Gene Names	Hexosaminidase subunit A
UniProt Entry Name	HEXA_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/hexa-recombinant-protein-e-coli/39104>