

HEXA recombinant protein

HEXA, 23-529aa, Human, His tag, Baculovirus

CATALOG # AAA48890	HOST Baculovirus	APPLICATIONS SDS-Page
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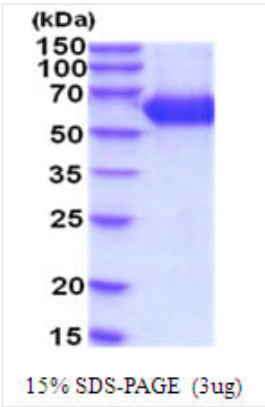
PRODUCT SYNONYMS

HEXA; 23-529aa; Human; His tag; Baculovirus; Beta-hexosaminidase subunit alpha preproprotein; TSD; HEXA recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4).
Concentration	0.5 mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	LWPWPQNFQT SDQRYVLYPN NFQFQYDVSS AAQPGCSVLD EAFQRYRDLL FGSGSWPRPY LTGKRHTLEK NVLVSVVTP GCNQLPTLES VENYTLTIND DQCLLLSETV WGALRGLET F SQLVWKS AEG TFFINKTEIE DFPRFPHRGL LLDTSRHYLP LSSILD TLDV MAYNKLNVFH WHLVDDPSFP YESFTFPELM RKGSYNPVTH IYTAQDVKEV IEYARLRGIR VLA EFDTPGH TLSWGPGIPG LLTPCYSGSE PSGTFGPVNP SLNNTYEFMS TFFLEVSSVF PDFYLHLGGD EVDFTCWKSN PEIQDFMRKK GFGEDFKQLE SFYIQTLLDI VSSYGKGYVV WQEVFDNKVK IQPDTIIQVW REDIPVNYMK ELEVTKAGF RALLSAPWYL NRISYGPDWK DFYIVEPLAF EGTPEQKALV IGGEACMWGE YVDNTNLVPR LWPRAGAVAE RLWSNKL TSD LTFAYERLSH FRCELLRRGV QAQPLNVGFC EQEFEQTHHH HHH
Sequence Length	529
Applicable Applications for HEXA recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HEXA recombinant protein	HEXA, also known as beta-hexosaminidase subunit alpha preproprotein, is an enzyme, located on the 15th chromosome. Hexosaminidase A and the cofactor GM2 activator protein catalyze the degradation of the GM2 gangliosides and other molecules containing terminal N-acetyl hexosamines. Hexosaminidase A is a heterodimer composed of an alpha subunit and a beta subunit. Recombinant human HEXA, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
References	Proia RL. et al. (1987) J. Biol. Chem. 262 (12):5677-81.; Mark BL. et al. (2003) J Mol Biol. 327 (5):1093-109.; Knapp S. et al. (1996) J. Am. Chem. Soc. 118 (28):6804-6805.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	189181666
NCBI GeneID	3073
NCBI Accession #	NP_000511
NCBI GenBank Nucleotide #	NM_000520.5
UniProt Accession #	P06865; Q53HS8; Q6AI32; B4DKE7; E7ENH7
Molecular Weight	59.2kDa (513aa) 50-70kDa (SDS-PAGE under reducing conditions.)
NCBI Official Full Name	beta-hexosaminidase subunit alpha isoform 2 preproprotein
NCBI Official Synonym Full Names	hexosaminidase subunit alpha
NCBI Official Symbol	HEXA
NCBI Official Synonym Symbols	TSD
NCBI Protein Information	beta-hexosaminidase subunit alpha
UniProt Protein Name	Beta-hexosaminidase subunit alpha
UniProt Gene Name	HEXA
UniProt Synonym Gene Names	Hexosaminidase subunit A

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.