Recombinant Human HEXA Protein, His-tagged

Cat. No. HEXA-178H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HEXA(His318~Thr529) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	His318~Thr529
Description	This gene encodes a member of the glycosyl hydrolase 20 family of proteins. The encoded preproprotein is proteolytically processed to generate the alpha subunit of the lysosomal enzyme beta-hexosaminidase. This enzyme, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Mutations in this gene lead to an accumulation of GM2 ganglioside in neurons, the underlying cause of neurodegenerative disorders termed the GM2 gangliosidoses, including Tay-Sachs disease (GM2-gangliosidosis type I). Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	28.5kDa
Identity	Reconstitute in PBS or others

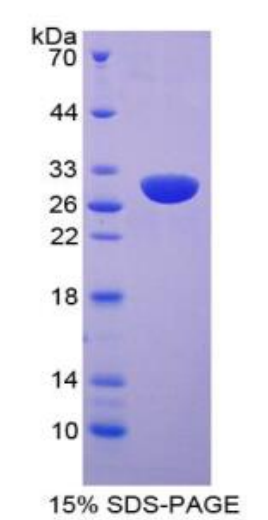
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Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	HEXA hexosaminidase A (alpha polypeptide) [Homo sapiens]
Official Symbol	HEXA
Synonyms	HEXA; hexosaminidase A (alpha polypeptide); beta-hexosaminidase subunit alpha; GM2 gangliosidosis; Tay Sachs disease; hexosaminidase subunit A; beta-N-acetylhexosaminidase subunit alpha; N-acetyl-beta-glucosaminidase subunit alpha; TSD; MGC99608;
Gene ID	3073
mRNA Refseq	NM_000520

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Protein Refseq	NP_000511
MIM	606869
UniProt ID	P06865
	

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