

Active Recombinant Human HEXA protein, His-tagged

Cat. No. HEXA-2523H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HEXA protein(Met1-Thr529)(AAD13932.1), fused with His tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Thr529
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to hydrolyze 4-methylumbelliferyl-N-acetyl-β-D-glucosaminide (4-MU-Glc-NAc).The specific activity is >1,250 pmoles/min/μg.
Molecular Mass	The recombinant human HEXA consists of 517 amino acids and predicts a molecular mass of 59.7 kDa. It migrates as an approximately 64 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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](#)

Protein Refseq [NP_000511](#)

MIM [606869](#)

UniProt ID [P06865](#)

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