

Recombinant Mouse Hexa Protein, MYC/DDK-tagged

Cat. No. Hexa-1116M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse hexosaminidase A (Hexa), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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. Mice lacking the encoded protein exhibit accumulation of gangliosides in the brain and membranous cytoplasmic bodies in neurons. Certain mutations in the human ortholog of this gene cause Tay-Sachs disease.
Molecular Mass	60.6 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Hexa hexosaminidase A [Mus musculus (house mouse)]

Official Symbol Hexa

Synonyms Hexa; hexosaminidase A; Hex-1; beta-hexosaminidase subunit alpha; N-acetyl-beta-glucosaminidase subunit alpha; beta-N-acetylhexosaminidase subunit alpha; hexosaminidase subunit A; EC 3.2.1.52

Gene ID 15211

mRNA Refseq NM_010421

Protein Refseq NP_034551

UniProt ID P29416

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