

Recombinant Human HEXB Protein, GST-tagged

Cat. No. HEXB-4711H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HEXB full-length ORF (NP_000512.1, 1 a.a. - 556 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Hexosaminidase B is the beta subunit of the lysosomal enzyme beta-hexosaminidase that, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Beta-hexosaminidase is composed of two subunits, alpha and beta, which are encoded by separate genes. Both beta-hexosaminidase alpha and beta subunits are members of family 20 of glycosyl hydrolases. Mutations in the alpha or beta subunit genes lead to an accumulation of GM2 ganglioside in neurons and neurodegenerative disorders termed the GM2 gangliosidoses. Beta subunit gene mutations lead to Sandhoff disease (GM2-gangliosidosis type II). [provided by RefSeq]
Molecular Mass	89.5 kDa
AA Sequence	MELCGLGLPRPPMLLALLLATLLAAMLALLTQVALVVQVAEAAARAPSVSAKPGPALW PLPLSVKMTPNLLHLAPENFYISHSPNSTAGPSCTLLEAFRRYHGFIYGFYKWHHE PAEFQAKTQVQQLLVSITLQSECDAFPNISSDESYTLLVKEPVAVLKANRVWGALRG LETFSQLVYQDSYGTFTINESTIIDSPRFSHRGILIDTSRHYLPVKIILKTLDAMAFNKFN VLHWHIVDDQSFYQSYITFPELSNKGSYSLSHVYTPNDVRMVIEYARLRGIRVLPEFD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TPGHTLSWGKGQKDLLTPCYSRQNKLDSFGPINPTLNTTYSFLTTFKEISEVFPDQF
IHLGGDEVEFKCWESNPKIQDFMRQKGFGTDFKKLESFYIQKVLDIATINKGSIVWQ
EVFDDKAKLAPGTIVEVWKDSAYPEELSRVTASGFPVILSAPWYLDLISYGQDWRKY
YKVEPLDFGGTQKQKQLFIGGEACLWGEYVDATNLTPRLWPRASAVGERLWSSKD
VRDMDDAYDRLTRHRCRMVERGIAAQPLYAGYCNHENM

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

HEXB hexosaminidase B (beta polypeptide) [Homo sapiens]

Official Symbol

HEXB

Synonyms

HEXB; hexosaminidase B (beta polypeptide); beta-hexosaminidase subunit beta; HCC-7; hexosaminidase subunit B; beta-N-acetylhexosaminidase subunit beta; cervical cancer proto-oncogene 7 protein; N-acetyl-beta-glucosaminidase subunit beta; ENC-1AS;

Gene ID

3074

mRNA Refseq

NM_000521

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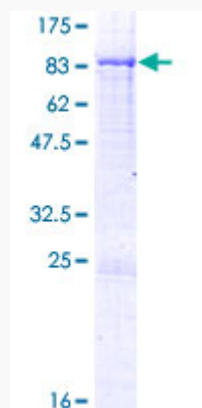
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Protein Refseq NP_000512

MIM 606873

UniProt ID P07686

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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