

**HEXA, 23-529aa, Human, His tag, Insect cell**

**Cat.NO.: TP02438**

3th Edition

**Synonyms:** Beta-hexosaminidase subunit alpha preproprotein , TSD

**Description:** 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.

**Form:** Liquid. In phosphate buffered saline (pH7.4).

**Molecular Weight:** 59.2kDa (513aa) 50-70kDa (SDS-PAGE under reducing conditions.)

**Sequences:**

LWPWPQNFQTSQDQRYVLYPNNFQFQYDVSSAAQPGCSVLDEAFQRYRDLLFGSGSWPRPYLTGKRHTLEKNVLV  
VSVVTPGCNQLPTLESVENYTLTINDDQCLLLSETVWGALRGLETFSQLVWKSAGTFFINKTEIEDFPRFPHRGLLL  
DTSRHYLPLSSILDTLDVMAYNKLNVFHWHLVDDPSFPYESFTFPELMRKGSYNPVTHIYTAQDVKEVIEYARLRGIR  
VLAEFDTPGHTLSWGP GIPGLLTPCYSGSEPSGTFGPVNPSLNNTYEFMSTFFLEVSSVFPDFYLHLGGDEVDFTC  
WKS NPEIQDFMRKKGFGE DFKQLESFYIQTLTDIVSSYGKGYVWQEVFDNKVKIQPDTIIQVWREDIPVNYMKELE  
LVTKAGFRALLSAPWYLNRI SYGPDWKDFYIVEPLAFEGTPEQKALVIGGEACMWGEYVDNTNLV PRLWPRAGAV  
AERLWSNKLTS DLT FAYERLSHFRCELLRRGVQAQPLNVGFCEQEFEQTHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.