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32-2438: HEXA Recombinant Protein

Alternative Name :	TSD,hexosaminidase A,Beta-hexosaminidase subunit alpha, Beta-N-acetylhexosaminidase subunit alpha,Hexosaminidase subunit A,N-acetyl-beta-glucosaminidase subunit alpha.

Description

Source : Escherichia Coli. HEXA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 464 amino acids (89-529 a.a) and having a molecular mass of 52.9 kDa.HEXA is fused to a 23 amino acid His-tag at N-terminus. HEXA is the alpha subunit of the lysosomal enzyme beta-hexosaminidase which, combined with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules having N-acetyl hexosamines terminus. The two subunits composing Beta-hexosaminidase, alpha and beta, belong to the glycosyl hydrolases family and are encoded by distinct genes. Alpha subunit gene mutations can cause Tay-Sachs disease (GM2-gangliosidosis type I).

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	HEXA protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSTLEKNVL VVSVVTPGCN QLPTLESVEN YTLTINDDQC LLLSETVWGALRGLETFSQL VWKSAEGTFF INKTEIEDFP RFPHRGLLLD TSRHYLPLSS ILDTLDVMAY NKLNVFHWHLVDDPSFPYES FTFPELMRKG SYNPVTHIYT AQDVKEVIEY ARLRGIRVLA EFDTPGHTLS WGPGIPGLLT PCYSGSEPSG TFGPVNPSLNNTYEFMSTFF LEVSSVFPDF YLHLGGDEVD FTCWKSNPEI QDFMRKKGFG EDFKQLESFY IQTLLDIVSSYGKGYVVWQE VFDNKVKIQP DTIIQVWRED IPVNYMKELE LVTKAGFRAL LSAPWYLNRI SYGPDWKDFY VVEPLAFEGT PEQKALVIGG EACMWGEYVD NTNLVPRLWPRAGAVAERLW SNKLTSDLTF AYERLSHFRC ELLRRGVQAQ PLNVGFCEQE FEQT.

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