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HEXA, 89-529aa Human, His tag, E.coli

产品货号: TP02439

第三版

别名: beta-hexosaminidase subunit alpha, TSD, hexosaminidase A

描述: HEXA is the alpha 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. Alpha subunit gene mutations lead to Tay-Sachs disease (GM2-gangliosidosis type I). Recombinant human HEXA protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

分子量: 52.9 kDa (464aa)

序列:

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MGSSHHHHHSSGLVPRGSHMGSTLEKNVLVSVVTPGCNQLPTLESVENYTLTINDDQCLLLSETVWGALRGLETFSQ  
LVWKS AEGTFFINKTEIEDFPRFPHRGLLLDTSRHYLPLSSILDTLDMAYNKLNVFHWHLVDDPSFPYESFTFPELMRKGSY  
NPVTHIYTAQDVKEVIEYARLRGIRVLAEFDTPGHTLSWGPGIPGLLTPCYSGSEPSGTFGPVNP SLNNTYEFMSTFFLEVSS  
VFPDFYLHLGGDEVDFTCWKS NPEIQDFMRKKGFGEDEFKQLESFYIQTL LDI VSSYGKGYV VVWQEVFDNKVKIQPDTIIQV  
WREDIPVNYMKELELVTKAGFRALLSAPWYLN R ISYGPDWKDFYVVEPLAFEGTPEQKALVIGGEACMWGEYVDNTNLV  
PRLWPRAGAVAERLWSNKL TSDLTFAYERLSHFRCCELLRRGVQAQPLNVGFCEQEFEQT
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纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.