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SYT4, 38-425aa, Human, His tag, E.coli

产品货号: TP04130

第三版

别名: Synaptotagmin-4, HsT1192, KIAA1342

描述: Synaptotagmin-4, also known as SYT4, belongs to the synaptotagmin family proteins. Synaptotagmins are a large gene family of synaptic vesicle type III integral membrane proteins that function as regulators of both exocytosis and endocytosis and are involved in neurotransmitter secretion from small secretory vesicles. SYT4 is expressed in neuronal tissues, and has the highest mRNA levels in the hippocampus. The proximity of the SYT4 gene to markers of several psychiatric disorders suggest an involvement of SYT4 in human disease. Recombinant human SYT4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

分子量: 46.1 kDa (409aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMCQRKSSKSNKTPPYKVVHVLKGVDIYPENLNSKKKFGADDKNEVKNKPAVPKNSLHL
DLEKRDNLNGNFPKTNLKPSPDLNATPKLFLEGEKESVSPELKSSTSLTSEEKQEKLGTLFFSLEYNFERKAFVVNIKEARG
LPAMDEQSMTSDPYIKMTILPEKKHKVKTRVLRKTLDPAFDETFTFYGIPYTIQELALHFTILSFDRFSRDDIIGEVLIPLSGIE
LSEGMMLMNREIHKRNVRKSSGRGELLISLCYQSTTNTLTVVVLKARHLPKSDVSGLSDPYVKVNLVYHAKKRISKKKTHVKK
CTPNAVFNELFVFDIPCEGLDISVEFLVLDSEGRSRNEVIGQLVLGAAAEGTGGEHWKEICDYPRRQIAKWHVLCDG

纯度: > 95% by HPLC

浓度: 0.25 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.