

## 32-5019: Recombinant Human Synaptotagmin IV

**Alternative Name :** HsT1192,KIAA1342,Synaptotagmin-4,Synaptotagmin IV,SytIV,SYT4.

### Description

Source : E.coli. SYT4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 409 amino acids (38-425a.a) and having a molecular mass of 46.1kDa. SYT4 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Synaptotagmin-4 (SYT4) is a part of the synaptotagmin proteins family. Synaptotagmins are a large gene family of synaptic vesicle type III integral membrane proteins that operate 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 implies an involvement of SYT4 in human disease such as pheochromocytoma, and parkinson's disease.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	SYT4 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 20% glycerol and 1mM DTT.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MCQRKSSKSN KTPPYKFVHV LKGVDIYPEN LNSKKKFGAD DKNEVKNKPA VPKNSLHLDL EKRDNLGNFP KTNLKPGPS DLENATPKLF LEKEKESVSP ESLKSSTSLT SEEKQEKLG LFFSLEYNFE RKAFVNIKE ARGLPAMDEQ SMTSDPYIKM TILPEKKHKV KTRVLRKTLT PAFDETFY GIPYTIQEL ALHFTILSFD RFSRDDIIGE VLIPLSGIEL SEGKMLMNRE IIKRNVKSS GRGELLISLC YQSTNTLTV VVKARHLPK SDVSGLSDPY VKVNLYHAKK RISKKKTHVK KCTPNAVFNE LFVFDIPCEG LEDISVEFLV LDSERGSRNE VIGQLVLGAA AEGTGGEHWK EICDYPRRQI AKWHVLC DG.