9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SYT4 Human

Synaptotagmin IV Human Recombinant
RCP2307

Product Overview

Name	SYT4 Human
Description	
Synaptotagmin IV Human Recombinant	
Accession (Primary)	Q9H2B2
Synonyms	
HsT1192, KIAA1342, Synaptotagmin-4, Synaptotagmin IV, SytIV, SYT4.	
Introduction	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
SYT4 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 20% glycerol and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M CQRKSSKSN KTPPYKFVHV LKGVDIYPEN LNSKKKFGAD DKNEVKNKPA VPKNSLHLDL EKRDLNGNFP KTNLKPGSPS DLENATPKLF LEGEKESVSP ESLKSSTSLT SEEKQEKLGT LFFSLEYNFE RKAFVVNIKE ARGLPAMDEQ SMTSDPYIKM TILPEKKHKV KTRVLRKTLD PAFDETFTFY	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GIPYTQIQEL ALHFTILSFD RFSRDDIIGE VLIPLSGIEL SEGKMLMNRE IIKRNVRKSS GRGELLISLC YQSTTNTLTV VVLKARHLPK SDVSGLSDPY VKVNLYHAKK RISKKKTHVK KCTPNAVFNE LFVFDIPCEG LEDISVEFLV LDSERGSRNE VIGQLVLGAA AEGTGGEHWK EICDYPRRQI AKWHVLCDG.

Precautions

SYT4 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9H2B2)