

SYT11, 37-431aa, Human, His tag, E.coli

Cat.NO.: TP04127

3th Edition

Synonyms:SYT12, sytXI

Description:SYT11 also known as synaptotagmin-11. The protein may be involved in Ca²⁺-dependent exocytosis of secretory vesicles through Ca²⁺ and phospholipid binding to the C2 domain or may serve as Ca²⁺ sensors in the process of vesicular trafficking and exocytosis. A synaptotagmin potentially involved in Parkinson's disease and schizophrenia. Recombinant human SYT11, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH7.4) containing 50% glycerol

Molecular Weight:47kDa (418aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSWSCCHQQAEEKKQKNPPYKFIHMLKGISIYPETLSNKKKIIKVRDCKDGPGR
GRRNLLVDAEAGLLSRDKDPRGPSSGSCIDQLPIKMDYGEELRSPITSLTPGESKTTSPSSPEEDVMLGSLTFSV
DYNFPKKALVVTIQEAHGLPVMDQDTQGSDPYIKMTILPDKRHRVKTRVLRKTLDPVFDETFYFYGIPYSQLQDLV
HFLVLSFDRFSRDDVIGVEMVPLAGVDPSTGKVQLTRDIIKRNIQKCISRGELQVLSYQPVAQRMTVVVVKARHLP
KMDITGLSGNPYVKVNVYYGRKRIAKKKTHVKKCTLNPIFNESFIYDIPTDLLPDISIEFLVIDFDRRTTKNEVVGRLLILGA
HSVTASGAEHWREVCESPRKPKVAKWHSLSSEY

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.