

AR51211PU-N

Human Synaptotagmin-5 (109-386, His-tag) - Purified

Alternate names:

SYT-5, SYT5, Synaptotagmin 5, Synaptotagmin V, SytV

Quantity:

0.25 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules.

Uniprot ID:

[O00445](#)

NCBI:

[NP_003171](#)

GeneID:

[6861](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl(pH 8.0) containing 40% glycerol, 0.2M NaCl, 2mM DTT

Description:

Recombinant human SYT5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGLGLRLQYS LDYDFQSGQL LVGILQAMGL AALDLGGSSD
PYVRVYLLPD KRRRYETKVH RQTLNPHFGE TFAFKVPYVE LGGRVLVMAV YDFDRFSRND
AIGEVVPMS SVDLGRPVA WRELQAAPRE EQEKLGDICF SLRYVPTAGK LTVIVLEAKN
LKKMDVGGLS DPYVKVHLLQ GGKKVRKKKT TIKKNTLNPY YNEAFSFEVP CDQVQKVQVE
LTVLDYDKLG KNEAIGRVAV GAAAGGAGLR HWADMLANPR RPIAQWHSR PPDRVRLPA P

Molecular weight: 33.6 kDa (301aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Craxton M.A., Olsen A., et al. (1997), Genomics 42:165-169

Pictures:

