

Recombinant human SYT5 protein

Catalog Number: ATGP2390

PRODUCT INFORMATION

Expression system

E.coli

Domain

109-386aa

UniProt No.

O00445

NCBI Accession No.

NP_003171

Alternative Names

Synaptotagmin-5, Synaptotagmin V

PRODUCT SPECIFICATION

Molecular Weight

33.6 kDa (301aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.2M NaCl, 2mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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Amino acid Sequence

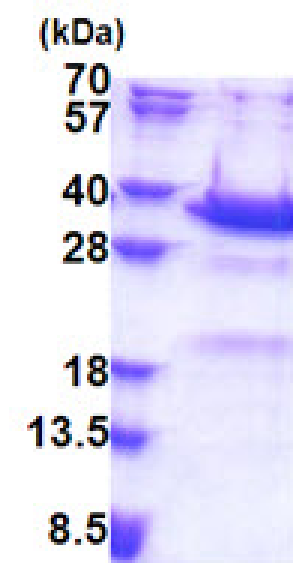
MGSSHHHHHH SSSLVPRGSH MGSLGRLQYS LDYDFQSGQL LVGILQAMGL AALDLGGSSD PYVRVYLLPD KRRRYETKVH
RQTLNPHFGE TFAFKVPYVE LGGRVLVMAV YDFDRFSRND AIGEVVPMS SVDLGRPVA WRELQAAPRE EQEKLGDICF
SLRYVPTAGK LTVIVLEAKN LKKMDVGGLS DPYVKVHLLQ GGKKVRKKKT TIKKNTLNPY YNEAFSFEVP CDQVQKVQVE
LTVLDYDKLG KNEAIGRVAV GAAAGGAGLR HWADMLANPR RPIAQWHSR PPDRVLLPA P

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)