

Recombinant human SYT11 protein

Catalog Number: ATGP3165

PRODUCT INFORMATION

Expression system

E.coli

Domain

37-431aa

UniProt No.

Q9BT88

NCBI Accession No.

NP_689493

Alternative Names

Synaptotagmin-11, SYT12, sytXI

PRODUCT SPECIFICATION

Molecular Weight

47 kDa (418aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 50% glycerol

Purity

> 80% 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

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.

Recombinant human SYT11 protein

Catalog Number: ATGP3165

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>WSCCHQQ AEKKQKNPPY KFIHMLKGIS IYPETLSNKK KIIKVRDCKD
GPGREGGRRN LLVDAAEAGL LSRDKDPRGP SSGSCIDQLP IKMDYGEELR SPITSLTPGE SKTTSPSSPE EDVMLGSLTF
SVDYNFPKKA LVVTIQEAHG LPVMDDQTQG SDPYIKMTIL PDKRHRVKTR VLRKTLDPVF DETFTFYGIP YSQLQDLVLH
FLVLSFDRFS RDDVIGVMV PLAGVDPSTG KVQLTRDIK RNIQKCISRG ELQVLSYQP VAQRMTVVVL KARHLPKMDI
TGLSGNPPYK VNVYYGRKRI AKKKTHTVKKC TLNPIFNESF IYDIPTDLLP DISIEFLVID FDRTTKNEVV GRLILGAHSV
TASGAEHWRE VCESPRKPVA KWHSLSEY

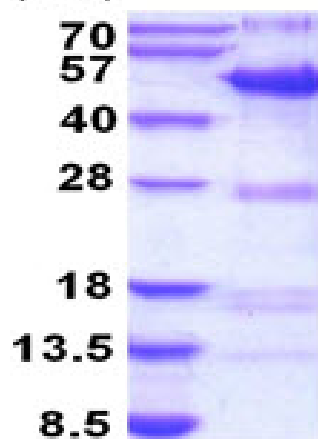
General References

Huynh D P., et al. (2003) Hum Mol Genet. 12(20):2587-97
Glass AS., et al. (2004) J Neural Transm Suppl. (68):21-8.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)