

Recombinant human SYT3 protein

Catalog Number: ATGP2637

PRODUCT INFORMATION

Expression system

E.coli

Domain

76-590aa

UniProt No.

Q9BQG1

NCBI Accession No.

NP_115674

Alternative Names

Synaptotagmin-3, Synaptotagmin-3, SytIII

PRODUCT SPECIFICATION

Molecular Weight

57.7 kDa (540aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

SYT3, also known as synaptotagmin-3, belongs to the synaptotagmin family. It may be involved in Ca (2+) - dependent exocytosis of secretory vesicles through Ca (2+) and phospholipid binding to the C2 domain or may serve as Ca (2+) sensors in the process of vesicular trafficking and exocytosis. Recombinant human SYT3 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSEFWKLCW VPWRDKGGS A VGGGPLRKDL GPGVGLAGLV GGGGHHLAAG

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LGGHPLLGGP HHHAAHAAHHP PFAELLEPGS LGGSDTPEPS YLDMDSYPEA AAAAVAAGVK PSQTSPELPS EGGAGSGLLL
LPPSGGGLPS AQSHQQVTSL APTTRYPALP RPLTQQTLTS QPDPSEERP PALPLPLPGG EEKAKLIGQI KPELYQGTGP
GGRRSGGGPG SGEAGTGAPC GRISFALRYL YGSDQLVVRI LQALDLPKAD SNGFSDPYVK IYLLPDRKKK FQTKVHRKTL
NPVFNETFQF SVPLAELAQR KLHFSVYDFD RFSRHDLIQ VVLDNLELA EQPPDRPLWR DIVEGGSEKA DLGELNFSLC
YLPTAGRLTV TIIKASNLKA MDLTGFSDPY VKASLISEGR RLKKRKTSL KNTLNPTYNE ALVFDVAPES VENVGLSIAV
VDYDCIGHNE VIGVCRVGPD AADPHGREHW AEMLANPRKP VEHWHQLVEE KTVTSFTKGS KGLSEKENSE

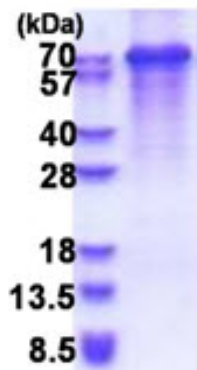
General References

Jones JM. et al. (1995) Mamm Genome. 6:212-213.

Li C. et al. (1995) Nature. 375:594-599.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)