

32-5018: Recombinant Human Synaptotagmin III

Alternative Name : Synaptotagmin III, SYT3, SytIII, synaptotagmin-3.

Description

Source : Escherichia Coli. SYT3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 540 amino acids (76-590) and having a molecular mass of 57.7 kDa. SYT3 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Synaptotagmin-3 (SYT3) is a member of the synaptotagmin family. SYT3 is involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may function as Ca(2+) sensors in the process of vesicular trafficking and exocytosis.

Product Info

Amount :	20 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The SYT3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSEFWKLCW VPWRDKGGSA VGGGPLRKDL GPGVGLAGLV GGGGHHLAAG LGGHPLLGGP HHHAAHAAHP PFAELLEPGS LGGSDTPEPS YLDMSYPEA AAAAVAAGVK PSQTSPELPS EGGAGSGLLL LPPSGGGLPS AQSHQVTSL APTTRYPALP RPLTQQTLS QPDPSSSEERP PALPLPLPGG EEKAKLIGQI KPELYQGTGP GGRRSGGGPG SGEAGTGAPC GRISFALRYL YGSDQLVVRI LQALDLPKAD SNGFSDPYVK IYLLPDRKKK FQTKVHRKTL NPVFNETFQF SVPLAELAQR KLHFSVYDFD RFSRHDLIQ VVLDNLELA EQPPDRPLWR DIVEGGSEKA DLGELNFSLC YLPTAGRLTV TIIKASNLKA MDLTGFSDPY VKASLISEGR RLKRRKTSIK KNTLNPTYNE ALVFDVAPES VENVGLSIAV VDYDCIGHNE VIGVCRVGPD AADPHGREHW AEMLANPRKP VEHWHQLVEE KTVTSFTKGS KGLSEKENSE.