

**SYT3, 76-590aa, Human, His tag, E.coli**

**Cat.NO.: TP04129**

3th Edition

**Synonyms:**Synaptotagmin-3 , SytIII

**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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

**Molecular Weight:**57.7 kDa(540aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSEFWKLCWVPWRDKGGS AVGGGPLRKDLGPGVGLAGLVGGGGHHLAAGL  
GGHPLLGGPHHHAAHPPFAELLEPGSLGGS DTPESYLDMSYPEAAAAVAAGVKPSQTSPELPSEGGAG  
SGLLLLPPSGGGLPSAQSHQQVTSLAPTTRY PALPRPLTQQTLTSQDPSSSEERPPALPLPLPGGEEKAKLIGQIKP  
ELYQGTGPGGRRSGGGPGSGEAGTGAPCGRISFALRYLYGSDQLVVRILQALDLPKDSNGFSDPYVKIYLLPDRK  
KKFQTKVHRKTLNPFVNETFQFSVPLAELAQRKLF SVYDFDRFSRHDLIGQVVLDNLELAEQPPDRPLWRDIVEG  
GSEKADLGELNFSCLYLP TAGRLVTI IKASNLKAMDLTGFSDPYVKASLISEGRRLKKRKT SIKKNTLNPTYNEALVF  
DVAPESVENVGLSIAVVDYDCIGHNEVIGVCRVGPDAADPHGREHWAEMLANPRKPVEHWHQLVEEKT VTSFTKG  
SKGLSEKENSE

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.