

**Complexin1, 1-134aa, Human, His tagged, Recombinant, E.coli**

**Cat.NO.: TP01684**

3th Edition

**Synonyms:**CPXL1, CPX1, CPX-1, Synaphin-2

**Description:**Complexin1 belongs to a family of SNARE complex binding proteins that were suggested to be either facilitators or inhibitors of vesicle exocytosis. Complexin 1 exhibits reduced Ca<sup>2+</sup>-triggered fast neurotransmitter release at hippocampal glutamatergic synapses, indicating that this protein is a positive regulator of transmitter release.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**17.1 kDa (154 aa), (Real molecular weight on SDS-PAGE will be shift up)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMEFVMKQALGGATKDMGKMLGGDEEKDPDAAKKEEERQEALRQAEEERKAKYA  
KMEAEREAVRQGIRDKYGIKKKEEREAEQAAMEANSEGLTRPKKAIPPGCGDEVVEEEDSILDTVIKYLPGPLQD  
MLKK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/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.