

SNAPAP, 1-136aa, Human, His tagged, Recombinant, E.coli

Cat.NO.: TP03979

3th Edition

Synonyms:SNAPIN, SNAP25BP, SNAPAP, SNAP associated protein, SNAP associated protein SNARE associated protein snapin, Synaptosomal associated protein 25 binding protein

Description:SNAPAP (SNAP associated protein) was enriched in neurons and exclusively located on synaptic vesicle membrane protein. SNAPAP is an important component of the neurotransmitter release process through its modulation of the sequential interactions between the SNAREs and synaptotagmin, which is a component of the SNARE complex that is required for synaptic vesicle docking and fusion. Recombinant human SNAPAP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 2 mM EDTA, 0.2 M NaCl₂, 40% glycerol

Molecular Weight:17 kDa (156aa), confirmed by MALDI-TOF.

Sequences:

MGSSHHHHHHSSGLVPRGSHMAGAGSAAVSGAGTPVAGPTGRDLFAEGLLEFLRPAVQQLDSHVHAVRESQVEL
REQIDNLTATELCRINEDQKVALDLDPYVKLLNARRRVVLVNNILQNAQERLRRLNHSVAKETARRRAMLDSGIYPP
GSPGK

Purity:> 95% by HPLC

Concentration:0.5 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.