

SH3GLB2, 1-395aa, Human, His tag, E.coli

Cat.NO.: TP03929

3th Edition

Synonyms:Endophilin-B2, PP6569, PP9455

Description:Endophilin-B2, also known as SH3GLB2, is a member of the endophilin B subgroup. The endophilins comprise a family of proteins that associate with amphiphysin, synaptojanin and dynamin and are implicated in presynaptic vesicle trafficking at nerve terminals. The expression patterns of the endophilins are consistent with their cellular functions at the neuronal synapse. SH3GLB2 is ubiquitously expressed but shows highest levels in brain, adult lung, ovary, and spinal cord. A decreased level of SH3GLB2 is found in Down syndrome and may reflect brain dysgenesis. Recombinant human SH3GLB2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. General

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Molecular Weight:46.4 kDa (418aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMDFNMKKLASDAGIFFTRAVQFTEEFKFGQAEKTELDAAHFENLLARADSTKN
WTEKILRQTEVLLQPNPSARVEEFLYEKLDKRVPSRVVTNGELLAQYMADAASELGPTTPYGKTLIKVAEAEKQLGAA
ERDFIHTASISFLTPLRNFLEGDWKTISKERRLLQNRRLDLDAKARLKKAKAAEAKATTVPDFQETRPRNYILSASA
SALWNDEVDKAEQELRVAQTEFDRQAEVTRLLLEGISSTHVNHLRCLHEFVKSQTTYAQCYRHMLDLQKQLGRF
PGTFVGTTEPASPLSSTSPPTAAATMPVVPSVASLAPPGEASLCLLEEVAPPASGTRKARVLYDYEAADSSELALLA
DELITVYSLPGMDPDWLIGERGNKKGKVPVTYLELLS

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.