Recombinant human Endophilin B2/SH3GLB2 protein

Catalog Number: ATGP1814

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-395aa

UniProt No.
Q9NR46

NCBI Accession No.
NP_064530

Alternative Names
Endophilin-B2, PP6569, PP9455

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

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

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

Recombinant human Endophilin B2/SH3GLB2 protein

Catalog Number: ATGP1814

purified by using conventional chromatography techniques.

Amino acid Sequence

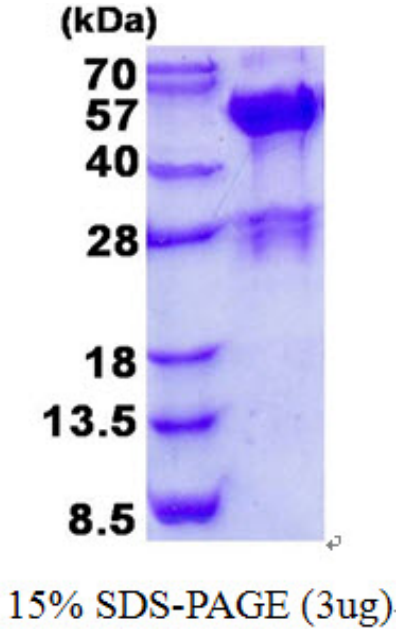
MGSSHHHHHH SSGLVPRGSH MGSMDFNMKK LASDAGIFFT RAVQFTEEKF GQAEKTELDA HFENLLARAD STKNWTEKIL RQTEVLLQPN PSARVEEFLY EKLDRKVPSR VTNGELLAQY MADAASELGP TTPYGKTLIK VAEAEKQLGA AERDFIHTAS ISFLTPLRNF LEGDWKTISK ERRLLQNRRL DLDACKARLK KAKAAEAKAT TVPDFQETRP RNYILSASAS ALWNDEVDKA EQELRVAQTE FDRQAEVTRL LLEGISSTHV NHLRCLHEFV KSQTTYYAQC YRHMLDLQKQ LGRFPGTFVG TTEPASPPLS STSPTTAAAT MPVVPSVASL APPGEASLCL EEVAPPASGT RKARVLYDYE AADSSELALL ADELITVYSL PGMDPDWLIG ERGNKKGKVP VTYLELLS

General References

Pierrat B., et al. (2001) Genomics. 71:222-234
Engidawork E., et al. (2003) Neuroscience. 122: 145-154.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.