NKMAXBio we support you, we believe in your research 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



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purified by using conventional chromatography techniques.

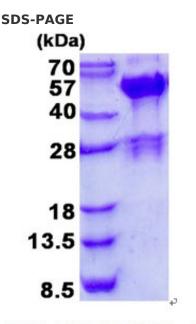
#### **Amino acid Sequence**

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



15% SDS-PAGE (3ug)

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

