
Product Data Sheet

Product Name: SH3GLB2 Human

Cat. No.: GP24579

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical
Appearance

solid

Shipping
Condition Shipped with Ice Packs.

Synonyms

PP6569; PP9455; Endophilin-B2; KIAA1848; SH3 domain-containing GRB2-like protein B2.

Amino Acid
Sequence

MGSSHHHHHH SGLVPRGSH MGSMDFMKK LASDAGIFFT RAVQFTEEFK
 GQAEKTELDA HFENLLARAD STKNWTEKIL RQTEVLLQPN PSARVEEFLY
 EKLDKRVPSR VTNGELLAQY MADAASELGP TTPYGKTLIK VAEAEKQLGA
 AERDFIHTAS ISFLTPLRNF LEGDWKTISK ERRLLQNRRL DLDACKARLK
 KAKAAEAKAT TVPDFQETRP RNYILSASAS ALWNDEVDKA EQELRVAQTE
 FDRQAEVTRL LLEGISSTHV NHLRCLHEFV KSQTTYAQC YRHMLDLQKQ
 LGRFPGTFVG TTEPASPLS STSPTTAAAT MPVVPSVASL APPGEASLCL
 EEVAPPASGT RKARVLYDYE AADSSELALL ADELITVYSL PGMDPDWLIG
 ERGNKKGKVP VTYLELLS.

Formulation

SH3GLB2 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.15M NaCl, 30% glycerol and 1mM DTT.

Introduction

Endophilin-B2 (SH3GLB2) belongs to the endophilin B subgroup. The endophilins comprise a family of proteins that relates with amphiphysin, synaptojanin and dynamin and are involved in presynaptic vesicle trafficking at nerve terminals. The expression patterns of the endophilins are coherent with their cellular functions at the neuronal synapse. SH3GLB2 is ubiquitously expressed however presents highest levels in brain, adult lung, ovary, and spinal cord. Low levels of SH3GLB2 are found in Down syndrome and reflect brain dysgenesis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SH3GLB2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 418 amino acids (1-395a.a.) and having a molecular mass of 46.4 kDa. SH3GLB2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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