
Product Data Sheet

Product Name: BAIAP2 Human

Cat. No.: GP22836

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical
Appearance

solid

Shipping
Condition Shipped with Ice Packs.

Synonyms

Brain-specific angiogenesis inhibitor 1-associated protein 2; BAI1-associated protein 2; Protein BAP2; Fas ligand-associated factor 3; FLAF3; IRS-58; IRSp53/58; IRSP53.

Amino Acid
Sequence

MSLSRSEEMH RLTENYKTI MEQFNPSLRN FIAMGKNEYK ALAGVTYAAK
 GYFDALVKMG ELASESQGSK ELGDVLFQMA EVHRQIQNQL EEMLSKFHNE
 LLTQLEQKVE LDSRYLSAAL KKYQTEQRSK GDALDKCQAE LKKLRKKSQG
 SKNPQKYSKD ELQYIDAISN KQGELENYVS DGYKTALTEE RRRFCFLVEK
 QCAVAKNSAA YHSGKHELLA QKLPLWQQAC ADPSKIPERA VQLMQQVASN
 GATLPSALSA SKSNLVISDP IPGAKPLPVP PELAPFVGRM SAQESTPIMN
 GVTGPDGEDY SPWADRKAAQ PKSLSPQSQ SKLSDSYSNT LPVRKSVTPK
 NSYATTAENK TLPRSSMAA GLERNRMRV KAIFSHAAGD NSTLLSFKEG
 DLITLLVPEA RDGWHYGESE KTKMRGWFPF SYTRVLDSGD SDRLHMSLQQ
 GKSSSTGNLL DKDDLAIPPP DYGAASRAFP AQTASGFKQR PYSVAVPAFS
 QGLDDYGARS MSSGSGTLVS TVVEHHHHHH

Formulation

The BAIAP2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 30% glycerol.

Introduction

BAIAP2 is a ubiquitous regulator of the actin cytoskeleton. Controlled by the Rho-family GTPases BAIAP2 facilitates filopodia development. BAIAP2 is expressed in the cytoplasm and binds small membrane-bound G-proteins to cytoplasmic effector proteins. BAIAP2 was identified as interacting with the dentatorubral-pallidoluysian atrophy gene, which is related to an autosomal dominant neurodegenerative disease.

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

BAIAP2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 530 amino acids (1-522) and having a molecular mass of 58.4kDa. BAIAP2 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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