

Recombinant Human BAI1-Associated Protein 2, His-tagged

Cat. No. BAIAP2-1373H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman BAIAP2protein, fused to His-tag at C-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	BAIAP2 is aubiquitous regulator of the actin cytoskeleton. It mediates filopodiaformation under the control of Rho-family GTPases. BAIAP2 is expressed in thecytoplasm and links small membrane-bound G-proteins to cytoplasmic effectorproteins. This protein functions as an insulin receptor tyrosine kinasesubstrate and suggests a role for insulin in the central nervous system.
Form	Liquid. In 20 mMTris-HCl buffer (pH 8.0) containing 1 mM DTT, 30% glycerol, 0.1M NaCl.
Molecular Weight	58.4 kDa(530 aa)
Purity	> 90%by SDS-PAGE
Concentration	0.5mg/ml(determined by Bradford assay)
Sequences of aminoacids	MSLSRSEEMHRLTENVYKTI MEQFNPSLRN FIAMGKNYEK ALAGVTYAAK GYFDA LVKMG ELASESQGSK ELGDVLFQMAEVHRQIQNQLEEMLKSFHNELLTQLEQKVE LDSRYLSAAL KKYQTEQRSK GDALDKCQAE LKKLRKKSQG SKNPQKYSKD ELQY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

IDAISNKQGELENYVS DGYKTALTEE RRRFCFLVEK QCAVAKNSAA YHSGKCELL
 A QKLPLWQQAC ADPSKIPERAVQLMQQVASN GATLPSALSA SKSNLVISDP IPGA
 KPLPVPPELAPFVGRM SAQESTPIMN GVTGPDGEDY SPWADRKAAQ PKSLSP PQ
 SQ SKLSDSYSNT LPVRKSVTPKNSYATTAENK TLPSSSMAA GLERNGRMRV KA
 IFSHAAGD NSTLLSFKEG DLITLLVPEA RDGWHYGESEKTKMRGWFPF SYTRVLD
 SDG SDRLHMSLQQ GKSSSTGNLLDKDDLAIPPP DYGAASRAFP AQTASGFKQR P
 YSVAVPAFS QGLDDYGARS MSSGSGTLVS TVVEHHHHHH

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Adherensjunction; CDC42 signaling events; ErbB1 downstream signaling; RAC1 signalingpathway; Regulation of Actin Cytoskeleton

GENE INFORMATION

Gene Name

BAIAP2 BAI1-associated protein2 [Homo sapiens]

Official Symbol

BAIAP2

Synonyms

BAIAP2;BAI1-associated protein 2; BAP2; FLAF3; IRSP53 brain-specificangiogenesis inhibitor 1-associated protein 2; IRS-58; IRSp53/58; fasligand-associated factor 3; insulin receptor substrate p53/p58; insulinreceptor substrate protein of 53 kDa

Gene ID

10458

mRNA Refseq

NM_001144888

Protein Refseq

NP_001138360

MIM

605475

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	Q9UQB8
Chromosome Location	17q25
Function	SH3domain binding; cytoskeletal adaptor activity ; proline-rich region binding ;protein C-terminus binding ; protein binding
PDB rendering based on 1wdz.	