

## BAIAP2, Human recombinant

**CATALOG NO:** P1030-20 20 µg  
P1030-100 100 µg

**ALTERNATE NAMES:** Brain-specific angiogenesis inhibitor 1-associated protein 2, BAI1-associated protein 2, Protein BAP2, Fas ligand-associated factor 3, Insulin receptor substrate p53/p58, Insulin receptor substrate protein of 53kDa, FLAF3, IRS-58, IRSp53/58, IRSP53.

**CONCENTRATION:** 0.5 mg/ml

**SOURCE:** *E.coli*

**PURITY:** > 90% by SDS – PAGE

**MOL. WEIGHT:** 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.

**FORM:** Liquid

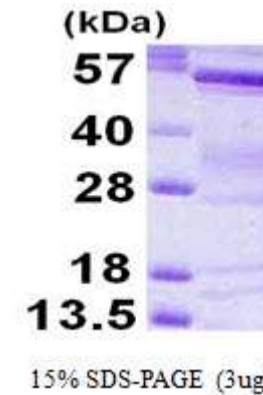
**FORMULATION:** In 20mM Tris-HCl buffer (pH 8.0), 0.1 M NaCl, 1mM DTT and 30% glycerol.

**STORAGE CONDITIONS:** Store at +4°C for short term (2-4 weeks). For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA), aliquot and store at -80°C. Avoid repeated freezing and thawing cycles.

**DESCRIPTION:** 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 and operates as an insulin receptor tyrosine kinase substrate. BAIAP2 proposes a part for insulin in the central nervous system and was identified as interacting with the dentatorubral pallidolulsian atrophy gene, which is related to an autosomal dominant neurodegenerative disease.

**SEQUENCE:** MSLSRSEEMH RLTENYVKTI MEQFNPSLRN FIAMGKNYEK  
ALAGVTYAAK GYFDALVKMG ELASESQGSK ELGDVLFQMA  
EVHRQIQNQL EEMLKSFHNE LLTQLEQKVE LDSRYLSAAL  
KKYQTEQRSK GDALDKCQAE LKCLRKKSQG SKNPQKYSK  
ELQYIDAIN KQGELENYVS DGYKTALTEE RRRFCFLVEK  
QCAVAKNSAA YHSGKELLA QKLPLWQQAC ADPSKIPERA  
VQLMQQVASN GATLPSALSA SKSNLVIDP IPGAKPLPVP  
PELAPFVGRM SAQESTPIMN GVTGPDGEDY SPWADRKAAQ  
PKSLSPQSQ SKLSDSYSNT LPVRKSVTPK NSYATTAENK  
TLPRSSMAA GLERNRMRV KAIFSHAAGD NSTLLSFKEG  
DLITLLVPEA RDGWHYGESE KTKMRGWFPF SYTRVLDSGD  
SDRLHMSLQQ GKSSSTGNLL DKDDLAIPPP DYGAASRAFP

AQTASGFKQR PYSVAVPAFS QGLDDYGARS MSSSGTLVS TVVEHHHHHH



SDS-PAGE showing BAIAP2 at 58.4 kDa

### RELATED PRODUCTS:

- Human CellExp™ Frizzled-2/FZD2 Protein, human recombinant (Cat. No. P1026-10, -50)
- Human CellExp™ Frizzled-4/FZD4 Protein, human recombinant (Cat. No. P1027-10, -50)
- Human CellExp™ Frizzled-5/FZD5 Protein, human recombinant (Cat. No. P1028-10, -50)
- Human CellExp™ Frizzled-7/FZD7 Protein, human recombinant (Cat. No. P1029-10, -50)

**FOR RESEARCH USE ONLY! Not to be used on humans.**