

## Product datasheet for **TP314570M**

### **BAIAP2 (NM\_006340) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human BAI1-associated protein 2 (BAIAP2), transcript variant 3, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC214570 representing NM_006340 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MLSLRSEEMHRLTENVYKTIMEQFNPSLRNFIAMGKNYEKALAGVTYAAKGYFDALVKMGELASESQGSK  
ELGDVLFQMAEVHRQIQNQLEEMLKSFHNELLTQLEQKVELDSRYLSAALKKYQTEQRSKGDALDKCQAE  
LKKLRKKSQGSKNPQKYSDELQYIDAINKQGELENYVSDGYKTALTEERRRFCFLVEKQCAVAKNSAA  
YHSGKELLAQKLPLWQQACADPSKIPERAVQLMQQVANSATLPSALSASKSNLVISDPIPGAKPLPVP  
PELAPFVGRMSAQESTPIMNGVTGPDGEDYSPWADRKAAQPKSLSPQSQSKLSDSYSNTLPVRKSVTPK  
NSYATTENKTLPRSSMAAGLERNGRMRVKAIFSHAAGDNSTLLSFKEGDLITLLVPEARDGWHYGESEK  
TKMRGWFPFSYTRVLDSDGSDRLHMSLQQGKSSSTGNLLDKDDLAIPPPDYGAASRAFPAQ TASGFKQRP  
YSVAVPAFSQGLDDYGARSMSSADVEVARF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	57.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_006331](#)

Locus ID: 10458

UniProt ID: [Q9UQB8](#)

RefSeq Size: 2129

Cytogenetics: 17q25.3

RefSeq ORF: 1560

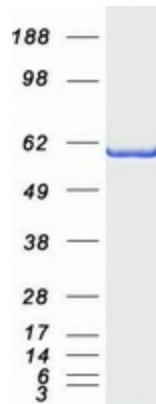
Synonyms: BAP2; FLAF3; IRSP53; WAML

**Summary:** The protein encoded by this gene has been identified as a brain-specific angiogenesis inhibitor (BAI1)-binding protein. This adaptor protein links membrane bound G-proteins to cytoplasmic effector proteins. This protein functions as an insulin receptor tyrosine kinase substrate and suggests a role for insulin in the central nervous system. It also associates with a downstream effector of Rho small G proteins, which is associated with the formation of stress fibers and cytokinesis. This protein is involved in lamellipodia and filopodia formation in motile cells and may affect neuronal growth-cone guidance. This protein has also been identified as interacting with the dentatorubral-pallidoluysian atrophy gene, which is associated with an autosomal dominant neurodegenerative disease. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Jan 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Adherens junction, Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified BAIAP2 protein (Cat# [TP314570]). The protein was produced from HEK293T cells transfected with BAIAP2 cDNA clone (Cat# [RC214570]) using MegaTran 2.0 (Cat# [TT210002]).