

## Product datasheet for TP304233L

### BAIAP2 (NM\_017450) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human BAI1-associated protein 2 (BAIAP2), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204233 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MLSLRSEEMHRLTENVYKTIMEQFNPSLRNFIAMGKNYEKALAGVTYAAKGYFDALVKMGELASESQGSK  
ELGDVLFQMAEVHRQIQNQLLEMLKSFHNELLTQLEQKVELDSRYLSAALKKYYQTEQRSGDALDKCQAE  
LKKLRKKSQGSKNPQKYSDELQYIDAINKQGELENYVSDGYKTALTEERRRFFLVEKQCAVAKNSAA  
YHSGKELLAQKLPLWQQACADPSKIPERAVQLMQQVANSATLPSALSASKSNLVIDPPIGAKPLPVP  
PELAPFVGRMSAQESTPIMNGVTGPDGEDYSPWADRKAAQPKSLSPQSQSKLSDSYSNTLPVRKSVTPK  
NSYATTAENKTLPRSSMAAGLERNRMRVKAIFSHAAGDNSTLLSFKEGDLITLLVPEARDGWHYGESE  
KTKMRGWFPFSYTRVLDSDGSDRLHMSLQQGKSSSTGNLLDKDDLAIPPPDYGAASRAFPQAQTASGFKQR  
PYSVAVPAFSQGLDDYGARSMSSSGTLVSTV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	57.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	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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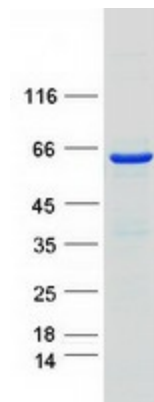
RefSeq:	<a href="#">NP_059344</a>
Locus ID:	10458
UniProt ID:	<a href="#">Q9UQB8</a>
RefSeq Size:	3188
Cytogenetics:	17q25.3
RefSeq ORF:	1566
Synonyms:	BAP2; FLAF3; IRSP53; WAML

**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# [TP304233]). The protein was produced from HEK293T cells transfected with BAIAP2 cDNA clone (Cat# [RC204233]) using MegaTran 2.0 (Cat# [TT210002]).