

## Product datasheet for PH317285

### BAIAP2 (NM\_017451) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BAIAP2 MS Standard C13 and N15-labeled recombinant protein (NP_059345)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217285
Predicted MW:	60.7 kDa
Protein Sequence:	>RC217285 representing NM_017451 Red=Cloning site Green=Tags(s)

MSLSRSEEMHRLTENVYKTIMEQFNPSLRNFIAMGKNYEKALAGVTYAAKGYFDALVKMGELASESQGSK  
ELGDVLFQMAEVHRQIQNQLLEMLKSFHNELLTQLEQKVELDSRYLSAALKKYQTEQRSGDALDKCQAE  
LKKLRKKSQGSKNPQKYSKELQYIDAISNKQGELENYVSDGYKTALTEERRRFCLVEKQCAVAKNSAA  
YHSGKELLAQKLPWQQACADPSKIPERAVQLMQQVANSATLPSALSASKSNLVISDPGAKPLPVP  
PELAPFVGRMSAQESTPIMNGVTGPDGEDYSPWADRKAAQPKSLSPPQSQSKLSDSYSNTLPVRSVTPK  
NSYATTENKTLPRSSMAAGLERNGRMVKAIFSHAAGDNSTLLSFKEGDLITLLVPEARDGWHYGESEK  
TKMRGWFPFSYTRVLDSDGSDRLHMSLQQGKSSSTGNLLDKDDLAIPPPDIYGAASRAFPQTASGFKQRP  
YSVAVPAFSQGLDDYGARSMSRNPFAHVQLKPTVTNDRCDLSAQGPEGREHGDGSARTLAGR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_059345</a>
RefSeq Size:	2877
RefSeq ORF:	1656



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**Synonyms:** BAP2; FLAF3; IRSP53; WAML

**Locus ID:** 10458

**UniProt ID:** [Q9UQB8](#)

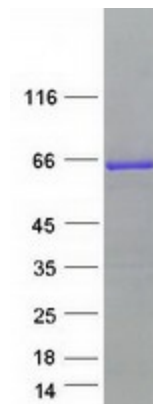
**Cytogenetics:** 17q25.3

**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# [TP317285]). The protein was produced from HEK293T cells transfected with BAIAP2 cDNA clone (Cat# [RC217285]) using MegaTran 2.0 (Cat# [TT210002]).