

Product datasheet for PH314570

BAIAP2 (NM_006340) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BAIAP2 MS Standard C13 and N15-labeled recombinant protein (NP_006331)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214570
Predicted MW:	57.3 kDa
Protein Sequence:	>RC214570 representing NM_006340 Red=Cloning site Green=Tags(s)

MSLSRSEEMHRLTENVYKTIMEQFNPSLRNFIAMGKNYEKALAGVTYAAKGYFDALVKMGELASESQGSK
ELGDVLFQMAEVHRQIQNQLLEMLKSFHNELLTQLEQKVELDSRYLSAALKKYQTEQRSKGDALDKCQAE
LKKLRKKSQGSKNPQKYSKELQYIDAISNKQGELENYVSDGYKTALTEERRRFCLVEKQCAVAKNSAA
YHSGKELLAQKPLWQQACADPSKIPERAVQLMQQVANSATLPSALSASKSNLVIDPPIGAKPLPVP
PELAPFVGRMSAQESTPIMNGVTGPDGEDYSPWADRKAAQPKSLSPQSQSKLSDSYSNTLPVRSVTPK
NSYATTENKTLPRSSMAAGLERNGRMVKAIFSHAAGDNSTLLSFKEGDLITLLVPEARLGWHYGESEK
TKMRGWFPFSYTRVLDSDGSDRLHMSLQQGKSSSTGNLLDKDDLAIPPPDYGAASRAFPQTASGFKQRP
YSVAVPAFSQGLDDYGARSMSSADVEVARF

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_006331
RefSeq Size:	2129
RefSeq ORF:	1560



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Synonyms: BAP2; FLAF3; IRSP53; WAML

Locus ID: 10458

UniProt ID: [Q9UQB8](#)

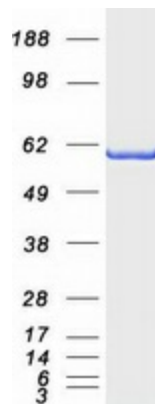
Cytogenetics: 17q25.3

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