

Recombinant Full Length Human BAIAP2 Protein transcript variant 1, C-Myc/DDK-tagged

Cat. No. BAIAP2-12HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human BAIAP2 Protein transcript variant 1, fused to Myc/DDK-tag at C-terminus, was expressed in HEK293T.
Species	Human
Source	HEK293
Description	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-pallidolusian atrophy gene, which is associated with an autosomal dominant neurodegenerative disease. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.
Molecular Mass	57.2 kDa
AA Sequence	MSLSRSEEMHRLTENVYKTIMEQFNPSLRNFIAMGKNYEKALAGVTYAAKGYFDALV

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KMGELASESQGSK ELGDVLFQMAEVHRQIQNQLEEMLKSFHNELLTQLEQKVELD
 SRYLSAALKKYQTEQRSKGDALDKCQAE LKCLRKKSQGSKNPQKYSDKELQYIDAI
 SNKQGELENYVSDGYKTALTEERRRFCFLVEKQCAVAKNSAA YHSGKELLAQKLP
 LWQQACADPSKIPERAVQLMQQVASNGATLPSALSASKSNLVISDPIGAKPLPVP P
 ELAPFVGRMSAQESTPIMNGVTGPDGEDYSPWADRKAAQPKSLSPQSQSKLSDS
 YSNTLPVRKSVTPK NSYATTAENKTLPRSSSMAAGLERNGRMRVKAIFSHAAGDNS
 TLLSFKEGDLITLLVPEARLGWHYGESE KTKMRGWFPFSYTRVLDSGSDRLHMSL
 QQGKSSSTGNLLDKDDLAIPPPDYGAASRAFPQAQTASGFKQR PYSVAVPAFSQGL
 DDYGARSMSSGSGTLVSTV TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >0.05 g/μ as determined by microplate BCA method

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families Druggable Genome

Protein Pathways Adherens junction, Regulation of actin cytoskeleton

Full Length Full L.

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GENE INFORMATION**Gene Name** BAIAP2 BAR/IMD domain containing adaptor protein 2 [Homo sapiens (human)]**Official Symbol** BAIAP2**Synonyms** BAP2; WAML; FLAF3; IRSP53**Gene ID** 10458**mRNA Refseq** NM_017450.3**Protein Refseq** NP_059344.1**MIM** 605475**UniProt ID** Q9UQB8**SDS-PAGE** Coomassie blue staining of purified BAIAP2 protein. Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA