

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-pallidoluysian 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
 SRYLSAALKKYQTEQRSGDALDKCQAE LKKLRKKSQGSKNPQKYSDKELQYIDAI
 SNKQGELENYVSDGYKTALTEERRRFCFLVEKQCAVAKNSAA YHSGKGELLAQKLP
 LWQQACADPSKIPERAVQLMQQVASNGATLPSALSASKSNLVISDPIPGAKPLPVP P
 ELAPFVGRMSAQESTPIMNGVTGPDGEDYSPWADRKAAQPKSLSPQSQSKLSDS
 YSNTLPVRKSVTPK NSYATTAENKTLPRSSSMAAGLERNGRMRVKAIFSHAAGDNS
 TLLSFKEGDLITLLVPEARDGWHYGESE KTKMRGWFPFSYTRVLDSGSDRLHMSL
 QQGKSSSTGNLLDKDDLAIPPPDYGAASRAFPAPTASGFKQR PYSVAVPAFSQGL
 DDYGARSMSSSGTLVSTV 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 µg/µl 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.

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.

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