

# Recombinant Full Length Human BAIAP2 Protein transcript variant 3, C-Myc/DDK-tagged

Cat. No. BAIAP2-14HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human BAIAP2 Protein transcript variant 3, fused to Myc/DDK-tag at C-terminus, was expressed in HEK293T.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Form</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.
<b>Molecular Mass</b>	57.3 kDa
<b>AA Sequence</b>	MSLSRSEEMHRLTENVYKTIMEQFNPSLRNFIAMGKNYEKALAGVTYAAKGYFDALV

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KMGELASESQGSK ELGDVLFQMAEVHRQIQNQLEEMLKSFHNELLTQLEQKVELD  
 SRYLSAALKKYQTEQRSKGDALDKCQAE LKCLRKKSQGSKNPQKYSDKELQYIDAI  
 SNKQGELENYVSDGYKTALTEERRRFCFLVEKQCAVAKNSAA YHSGKELLAQKLP  
 LWQQACADPSKIPERAVQLMQQVASNGATLPSALSASKSNLVISDPIGAKPLPVP P  
 ELAPFVGRMSAQESTPIMNGVTGPDGEDYSPWADRKAAQPKSLSPQSQSKLSDS  
 YSNTLPVRKSVTPK NSYATTENKTLPRSSSMAAGLERNGRMRVKAIFSHAAGDNST  
 LLSFKEGDLITLLVPEARLDGWHYGESEK TKMRGWFPFSYTRVLDSGSDRLHMSL  
 QQGKSSSTGNLLDKDDLAIPPPDYGAASRAFPQAQTASGFKQRP YSVAVPAFSQGL  
 DDYGARSMSSADVEVARF 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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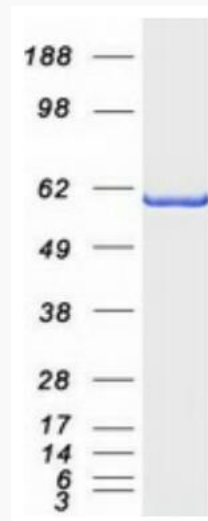
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## GENE INFORMATION

<b>Gene Name</b>	BAIAP2 BAR/IMD domain containing adaptor protein 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	BAIAP2
<b>Synonyms</b>	BAP2; WAML; FLAF3; IRSP53
<b>Gene ID</b>	10458
<b>mRNA Refseq</b>	NM_001385128.1
<b>Protein Refseq</b>	NP_001372057.1
<b>MIM</b>	605475
<b>UniProt ID</b>	Q9UQB8

### SDS-PAGE



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Coomassie blue staining of purified BAIAP2 protein.

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