

# Recombinant Human BAIAP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** BAIAP2-3866H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	BAIAP2 MS Standard C13 and N15-labeled recombinant protein (NP_059344) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<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-pallidoluyasian atrophy gene, which is associated with an autosomal dominant neurodegenerative disease. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
<b>Molecular Mass</b>	57.4 kDa
<b>AA Sequence</b>	MSLSRSEEMHRLTENVYKTIMEQFNPSLRNFIAMGKNYEKALAGVTYAAKGYFDALV KMGELASESQGSKELGDVLFQMAEVHRQIQNQLEEMLKSFHNELLTQLEQKVELDS

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RYLSAALKKYQTEQRSKGDALDKCQAEKLRKKSQGSKNPQKYSDKELQYIDAISN  
 KQGELENYVSDGYKTALTEERRRFCFLVEKQCAVAKNSAAYHSHKGKELLAQKLPLW  
 QQACADPSKIPERAVQLMQQVASNGATLPSALSASKSNLVISDPIPGAKPLPVPPEL  
 APFVGRMSAQESTPIMNGVTGPDGEDYSPWADRKAAQPKSLSPQSQSKLSDSYS  
 NTLPVRKSVTPKNSYATTAENKTLPRSSSMAAGLERNRMRVKAIFSHAAGDNSTLL  
 SFKEGDLITLLVPEARLDGWHYGESEKTKMRGWFPFSYTRVLDSGDSDRLHMSLQQ  
 GKSSSTGNLLDKDDLAIPPPDYGAASRAFFPAQTASGFKQRPYSVAVPAFSQGLDDY  
 GARSMSSSGTGLVSTVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** BAIAP2 BAI1-associated protein 2 [ Homo sapiens (human) ]

**Official Symbol** BAIAP2

**Synonyms** BAIAP2; BAI1-associated protein 2; brain-specific angiogenesis inhibitor 1-associated protein 2; BAP2; IRS-58; IRSp53/58; fas ligand-associated factor 3; insulin receptor substrate p53/p58; insulin receptor substrate protein of 53 kDa; FLAF3; IRSP53;

**Gene ID** 10458

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mRNA Refseq [NM\\_017450](#)

Protein Refseq [NP\\_059344](#)

MIM [605475](#)

UniProt ID [Q9UQB8](#)

SDS-PAGE



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