

Recombinant Full Length Human BAIAP2 Protein, GST-tagged

Cat. No. BAIAP2-1806HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BAIAP2 full-length ORF (AAH32559, 1 a.a. - 512 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	512 amino acids
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	82.06 kDa

 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

AA Sequence

MSLSRSEEMHRLTENYKTIMEQFNPSLRNFIAMGKNYEKALAGVTYAAKGYFDALV
 KMGELASESQGSKELGDVLFQMAEVHRQIQNQLEEMLKSFHNELLTQLEQKVELDS
 RYLSAALKKYQTEQRSKGDALDKCQAEKLRKKSQGSKNPQKYSDKELQYIDAISN
 KQGELENYVSDGYKTALTEERRRFCFLVEKQCAVAKNSAAYHSGKELLAQKLPLW
 QQACADPSKIPERAVQLMQQVASNGATLPSALSASKSNLVISDPIPGAKPLPVPPEL
 APFVGRMSAQESTPIMNGVTGPDGEDYSPWADRCAAQPKSLSPQSQSKLSDSYS
 NTLPVRKSVTPKNSYATTENKTLPRSSSMAAGLERNGRMRVKAIFSHAAGDNSTLLS
 FKEGDLITLLVPEARDGWHYGESEKTKMRGWFPFSYTRVLDSDGSDRLHMSLQQG
 KSSSTGNLLDKDDLAIPPPDYGAASRAFPQAQTASGFKQRPYSVAVPAFSQGLDDYG
 ARSMSR

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[BAIAP2](#) BAI1-associated protein 2 [[Homo sapiens](#)]

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](#)

mRNA Refseq

[NM_001144888](#)

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Protein Refseq NP_001138360

MIM 605475

UniProt ID Q9UQB8

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