

Recombinant Full Length Human BAIAP2L1 Protein, GST-tagged

Cat. No. BAIAP2L1-1807HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BAIAP2L1 full-length ORF (NP_061330.2, 1 a.a. - 511 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	511 amino acids
Description	This gene encodes a member of the IMD (IRSp53/MIM homology domain) family. Members of this family can be subdivided in two groups, the IRSp53-like and MIM-like, based on the presence or absence of the SH3 (Src homology 3) domain. The protein encoded by this gene contains a conserved IMD, also known as F-actin bundling domain, at the N-terminus, and a canonical SH3 domain near the C-terminus, so it belongs to the IRSp53-like group. This protein is the substrate for insulin receptor tyrosine kinase and binds to the small GTPase Rac. It is involved in signal transduction pathways that link deformation of the plasma membrane and remodeling of the actin cytoskeleton. It also promotes actin assembly and membrane protrusions when overexpressed in mammalian cells, and is essential to the formation of a potent actin assembly complex during EHEC (Enterohemorrhagic Escherichia coli) pedestal formation.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

 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

Molecular Mass	82.61 kDa
AA Sequence	MSRGPEEVNRLTESTYRNVMEQFNPGLRNLINLGKNYEKAVNAMILAGKAYYDGVA KIGEIATGSPVSTELGHVLEISSTHKKLNESLDENFKKFHKEIIHELEKKIELDVKYMNA TLKRYQTEHKNKLESLEKSQAELKKIRRKSSQGSRNALKYEHKEIEYVETVTSRQSEIQ KFIADGCKEALLEEKRRFCFLVDKHCGFANHIHYHLQSAELLNSKLPRWQETCVD IKVPEKIMNMIEEIKTPASTPVSGTPQASPMIERSNVVRKDYDTLSKCSPKMPPAPSG RAYTSPLIDMFNNPATAAPNSQRVNNSTGTSEDPSLQRSVSVATGLNMMKKQKVKT IFPHTAGSNKTLLSFAQGDVITLLIPEEKDGWLYGEHDVSKARGWFPSSYTKLLEENE TEAVTVPTSPPTPVRSISTVNLSSENSSVIPPPDYLECLSMGAAADRRADSARTTSTF KAPASKPETAAPNDANGTAKPPFLSGENPFATVKLRPTVTNDRSAPIIR
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	BAIAP2L1 BAI1-associated protein 2-like 1 [Homo sapiens]
Official Symbol	BAIAP2L1
Synonyms	BAIAP2L1; BAI1-associated protein 2-like 1; brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1; IRTKS; BAI1-associated protein 2-like protein 1; insulin receptor tyrosine kinase substrate; FLJ42275
Gene ID	55971
mRNA Refseq	NM_018842

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Protein Refseq	NP_061330
MIM	611877
UniProt ID	Q9UHR4

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