

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.

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Molecular Mass	82.61 kDa
AA Sequence	<p>MSRGPPEEVNRLTESTYRNVMEQFNPGLRNLINLGKNYEKAVNAMILAGKAYYDGVA KIGEIATGSPVSTELGHVLEISSTHKKLNESLDENFKKFHKEIIHELEKKIELDVKYMNA TLKRYQTEHKNKLESLEKSQAELKKIRRKSSQGSRNALKYEHKEIEYVETVTSRQSEIQ KFIADGCKEALLEEKRRFCFLVDKHCGFANHIHYHLQSAELLNSKLPRWQETCVDA IKVPEKIMNMIEEIKTPASTPVSQTPQASPMIERSNVVRKDYDTLSKCSPKMPPAPSG RAYTSPLIDMFNNPATAAPNSQRVNNSTGTSEDPSLQRSVSVATGLNMMKKQKVKT IFPHTAGSNKTLLSFAQGDVITLLIPEEKDGWLYGEHDVSKARGWFPSSYTKLLEENE TEAVTVPTSPPTPVRISISTVNLSSENSSVIPPPDYLECLSMGAAADRRADSARTTSTF KAPASKPETAAPNDANGTAKPPFLSGENPFATVKLRPTVTNDRSAPIIR</p>
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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