

Product datasheet for PH302617

BAIAP2L1 (NM_018842) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BAIAP2L1 MS Standard C13 and N15-labeled recombinant protein (NP_061330)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202617
Predicted MW:	56.9 kDa
Protein Sequence:	>RC202617 protein sequence Red=Cloning site Green=Tags(s)

MSRGPEEVNRLTESTYRNVMEQFNPGLRNLINLGKNYEKAVNAMILAGKAYYDGVAKIGEIATGSPVSTE
LGHVLEIISSTHKKLNESLDENFKKFHKEIIHELEKKIELDVKYMNATLKRYQTEHKNKLESLEKSQAE
KKIRRSQGSRNALKYEHKEIEYVETVTSRQSEIQKFIADGCKEALLEEKRRFCFLVDKHCGFANHIHYY
HLQSAELLNSKLPWQETCVDAIKVPEKIMMIEEIKTPASTPVSQTPQASPMIERSNVVRKDYDTLSKC
SPKMPPAPSGRAYTSPLIDMFNNPATAAPNSQRVNNSTGTSEDPSLQRSVSVATGLNMMKKQKVKTIFFPH
TAGSNKTLISFAQGDVITLLIPEEKDGLWLYGEHDVSKARGWFPSSYTKLLEENETEAVTVPTSPPTPVR
ISTVNLSENSVVIPPPDYLECLSMGAAADRRADSARTTSTFKAPASKPETAAPNDANGTAKPPFLSGEN
PFATVKLRPTVTNDRSAPIIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_061330</u>
RefSeq Size:	3682
RefSeq ORF:	1533



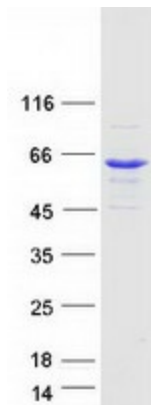
[View online »](#)

Synonyms: IRTKS
Locus ID: 55971
UniProt ID: [Q9UHR4](#)
Cytogenetics: 7q21.3-q22.1

Summary: 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. [provided by RefSeq, Oct 2009]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified BAIAP2L1 protein (Cat# [TP302617]). The protein was produced from HEK293T cells transfected with BAIAP2L1 cDNA clone (Cat# [RC202617]) using MegaTran 2.0 (Cat# [TT210002]).