

Product datasheet for **SC321226**

BAIAP2L1 (NM_018842) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAIAP2L1 (NM_018842) Human Untagged Clone
Tag:	Tag Free
Symbol:	BAIAP2L1
Synonyms:	IRTKS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018842.3
 CTCCTCTGCTCCTCGAAGAAGGCCAGGGCGGGGCTGCCGCAAGTTTTGACATTTTCGCAG
 CCGAGACGCGCGCGGGCACTCTCGGGCCGACGGCTGCGGCGGGCCGACCCCTCCAGAGC
 CCCTTAGTCGCGCCCCGGCCCTCCCGCTGCCCGGAGTCCGGCGGCCACGAGGCCAGCCG
 CGTCTCCCGCGTCTGCTCGCCCGGGCCGACGCCATGTCCCGGGGCCCCGAGGAGGTG
 AACCGGCTCACGGAGACACTACCGGAATGTTATGGAACAGTTCAATCCTGGGCTGCGA
 AATTTAATAAACCTGGGAAAAATTATGAGAAAGCTGTAACAGCTATGATCCTGGCAGGA
 AAAGCCTACTACGATGGAGTGGCCAAGATCGGTGAGATTGCCACTGGGTCCCCCGTGTCA
 ACTGAACTGGGACATGTCTCATAGAGATTTCAAGTACCCACAAGAACTCAACGAGAGT
 CTTGATGAAAATTTTAAAAAATCCACAAAGAGATTATCCATGAGCTGGAGAAGAAGATA
 GAACCTGACGTGAAATATATGAACGCAACTCTAAAAAGATACCAAACAGAACACAAGAAT
 AAATTAGAGTCTTTGGAGAAATCCCAAGCTGAGTTGAAGAAGATCAGAAGGAAAAGCCAA
 GGAAGCCGAAACGCACTCAAATATGAACACAAAGAAATGAGTATGTGGAGACCGTTACT
 TCTCGTCAGAGTCAAATCCAGAAATTCATTGCAGATGGTTGCAAAGAGGCTCTGTTGAA
 GAGAAGAGGCGTCTGCTTTCTGGTTGATAAGCACTGTGGCTTTGCAAACCACATACAT
 TATTATCACTTACAGTCTGCAGAACTACTGAATCCAAGCTGCCTCGGTGCCAGGAGACC
 TGTGTTGATGCCATCAAAGTCCAGAGAAAATCATGAATATGATCGAAGAAATAAAGACC
 CCAGCCTCTACCCCGTGTCTGGAACCTCCTCAGGCTTACCCATGATCGAGAGAAGCAAT
 GTGGTTAGGAAAGATTACGACACCCTTTCTAAATGCTCACAAAGATGCCCCCGCTCCT
 TCAGGCAGAGCATATACAGTCCCTTGATCGATATGTTTAATAACCCAGCCACGGCTGCC
 CCGAATTCACAAAGGGTAAATAATTCAACAGGTAATCCGAAGATCCCAGTTTACAGCGA
 TCAGTTTCGGTTGCAACGGGACTGAACATGATGAAGAAGCAGAAAGTGAAGACCATCTTC
 CCGCACACTGCGGGCTCCAACAAGACCTTACTCAGCTTTGCACAGGGAGATGTCATCACG
 CTGCTCATCCCCGAGGAGAAGGATGGCTGGCTCTATGGAGAACACGACGTGTCCAAGGCG
 AGGGGTTGGTTCCCGTCTGCTACACGAAGTTGCTGGAAGAAAATGAGACAGAAGCAGTG
 ACCGTGCCACGCCAAGCCCCACACCAGTGAAGAAGCATCAGCACCGTGAACCTGTCTGAG
 AATAGCAGTGTGTATCCCCCACCCGACTACTTGAATGCTTGTCCATGGGGGAGCT
 GCCGACAGGAGAGCAGATTGGCCAGGACGACATCCACCTTAAGGCCCCAGCGTCCAAG
 CCCGAGACCGGGCTCCTAACGATGCCAACGGGACTGCAAAGCCGCTTTTCTCAGCGGA
 GAAAACCCCTTTGCCACTGTGAAACTCCGCCGACTGTGACGAATGATCGCTCGGCACCC
 ATCATTGATGAGAGGACAGCAAGGACTCTCCGGGCTCTCCGTTTCTCCTTGGCGA
 ATGATGGGCGCATCTGTCTGCCAGTGTGACGGTCCGGGAAGCTTCAGTGGAGAGGCT
 AACTCTAATGTCGCTGCTTAAGCAAATCATGCTTCTCTGTTTACAGTAGTTGGGTTGAC
 AAGTTTCTGCCTTAAGATAAATGAGTAATAGTCTAATGACCAGCTCAGCCATTTAAAAAT
 ATTTTCTCTCTATTCTGTTCAGAAACAGTAAACTTGGTTTCAATCTTTAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_018842

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_018842.3 , NP_061330.2
RefSeq Size:	2096 bp
RefSeq ORF:	1536 bp
Locus ID:	55971
UniProt ID:	Q9UHR4
Cytogenetics:	7q21.3-q22.1
Domains:	SH3
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p>