

Product datasheet for **MC217628**

Baiap2 (NM_001037755) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Baiap2 (NM_001037755) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Baiap2
Synonyms:	IRSp53; R75030
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217628 representing NM_001037755
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGCTTTACGCTCGGAGGAGATGCACCGGCTCACGGAAAATGTCTACAAGACCATCATGGAGCAGT
 TCAACCCAGCCTCCGCAACTTCATCGCCATGGGCAAGAAGTATGAGAAAGCACTGGCAGGTGTACCTT
 CGCTGCCAAAGGCTATTTTCGATGCTCTGGTAAAGATGGGGGAGCTGGCCAGCGAGAGCCAGGGCTTAAG
 GAAGTTGGGGACGTCTCTTCCAGATGGCTGAGGTGCACCGCAGATCCAGAACCAGTTGGAAGAGACGC
 TGAAGTCTTTTACAATGAGCTGCTCACGCAGCTGGAGCAGAAAGTAAAGTGGACTCCAGGTATCTAAG
 TGCTGCACTGAAGAAATACCAAACGGAACAGAGGAGCAAAAGGGGACGCCCTGGACAAGTGTGAGGCTGAG
 CTGAAGAAGCTCCGCAAGAAGAGCCAAGGGAGTAAAGACCCTCAGAAGTACTCAGACAAGGAGCTGCAGT
 ACATCGATGCCATCAGCAATAAGCAGGGCGAGCTGGAGAAGTACGTGTCTGACGGCTACAAGACAGCACT
 CACTGAGGAGCGCAGGAGTTCTGCTTCTGGTGGAAAAGCAGTGCCTGTGGCCAAGAAGTCTGCTGCT
 TACCATTCCAAGGCAAGGAGTTGCTGGCCAGAAGCTGCCTCTGTGGCAGCAAGCCTGTGCCGACCCCA
 ACAAGATCCCAGACCGTGTGTCCAGCTGATGCAACAGATGGCCAATAGCAATGGCTCCATCCTTCCAAG
 TGCCCTGTGAGCTTCCAAGTCCAACCTGGTTCATCTCAGATCCCATTCTGGAGCCAAGCCCTTGCCAGTG
 CCACCTGAGCTGGCACCATTTGTGGGGCGGATGTCTGCTCAGGAGAATGTACCTGTGATGAATGGCGTCG
 CAGGCCCGGACAGCGAGGACTACAACCCCTGGGCTGACCGAAAGGCTGCCAGCCCAATCCCTGTCTCC
 CCCGAGTCTCAAAGCAAGCTGAGCGACTCGTACTCCAACACACTCCCGTGCGCAAGAGCGTGACGCCG
 AAGAACAGCTATGCCACCACTGAGAACAAGACACTGCCACGTTCAAGTCCATGGCAGCTGGCCTAGAAC
 GTAATGGCCGATGCGGGTCAAGGCCATTTTCTCCACGCGCCGGTGACAATAGCACTCTGCTGAGCTT
 CAAGGAGGGCGACCTCATCACGCTGCTAGTGCCTGAGGCCCGTGACGGCTGGCACTATGGGGAGAGTGAG
 AAGACCAAGATGCGGGGCTGTTCCCTTCTCCTACACCCGGGCTCTGGACAGTGACGGAAGTGACAGAT
 TGCATATGAGCCTGCAGCAGGGCAAGAGCAGCAGCACAGGCAACCTCCTAGACAAGGATGACCTGGCCCT
 CCCCCCTCTGACTACGGCACGTCTCCCGGCATTCCCACCCAGACAGCCGGCACATTCAAGCAGAGA
 CCCTACAGCGTGGCCGTTCTGCCTTCTCAGGGTCTGGATGACTACGGGGCACGGTCTGTGAGCAGGA
 ATCCCTTCGCAACGTCATCTGAAACCAACAGTGACCAATGACAGATCAGCCCCCTGTCTCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001037755

Insert Size: 1608 bp

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).

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:

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_001037755.3](#), [NP_001032844.2](#)

RefSeq Size: 2083 bp

RefSeq ORF: 1608 bp

Locus ID: 108100

UniProt ID: [Q8BKX1](#)

Cytogenetics: 11 E2

Gene Summary: Adapter protein that links membrane-bound small G-proteins to cytoplasmic effector proteins. Necessary for CDC42-mediated reorganization of the actin cytoskeleton and for RAC1-mediated membrane ruffling. Involved in the regulation of the actin cytoskeleton by WASF family members and the Arp2/3 complex. Plays a role in neurite growth. Acts synergetically with ENAH to promote filipodia formation. Plays a role in the reorganization of the actin cytoskeleton in response to bacterial infection. Participates in actin bundling when associated with EPS8, promoting filopodial protrusions.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (a).