

Product datasheet for **MC202510**

Arl6ip1 (NM_019419) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arl6ip1 (NM_019419) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arl6ip1
Synonyms:	Aip-1; AIP-6; AL022945; Arl6ip; ARMER; AU042858; C85138; mKIAA0069
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC046792 sequence for NM_019419
 GGGATAGTGTGTGTTTCGCTCGTTGATAACCGCGAGTCTGGAACGATGGCGGAGGGGGATAACCGCAGCAG
 CAACCTGCTGGCCGTGGAGACTGCAAGTCTTGAAGAGCAGCTGCAAGGCTGGGGAGAGGTGATGCTGATG
 GCTGACAAAGTCTTCGATGGGAAAAGAGCTGGTTCCACCTGCCATCATGGGTGTGGTTCCCTGCTGT
 TCCTGATTATCTATTATCTCGATCCATCTGTGCTGTCTGGTGTTCCTGCTTTGTTATGTTTTGTGCTT
 GGCTGACTACCTTGTCCCATCTAGCACCAAGAATTTTTGGCTCTAATAAATGGACCACTGAACAACAG
 CAAAGATTTTCATGAAATCTGCAGTAATCTAGTAAAACTCGACGCAGAGCTGTGGGCTGGTGAAACGCC
 TCTTTCCCTAAAGGAAGAAAAGCCTAAAATGTACTTCATGACCATGATCATTTCTCTTGCTGCGGTGGC
 TTGGGTGGGACAGCAAGTTCACAACCTGCTTCTCACCTACCTGATTGTGACATTTGTGCTTTGCTTCT
 GGACTAAACCAACATGGGATCATTCTGAAGTACATTGGAATGGCCAAAAGGGAGATAAACAACTTCTCA
 AGCAAAAAGAAAAGAAAATGAGTAGTGTGGCTGCCGCGGAGTGTGCCCTGGCCCTGGGCACTGAAGTGT
 TACAGTGGCTCGTTGCTCCCTCACTCTGCCCTTGTTAATAGAAATCTCACAGGCCAGGCTCTGTGCGG
 GCTCTAGTCCAGGTGTAGCTGGGTACATTCGCCGTGAGTGTGACTTCTTTTTCATTTTGACAACCTCCTT
 CCTTTAAGATGCTAAGTGGTGAACCTTACTGTTTTGTACAGTGAACCTGTGACTTTGTTGATGTTTGCTT
 AGCTATATTCAAGGCAGTGGTCTGTGGCTACAGGAAGCTGTTTCTACTGTCTGCTTAACAACTGTCTTT
 GTGAGTACAGAGATTGGGTTTACCACCTTCTGCTGAGGAGACCCTTAAAAATTCATTCCTGAGTTTCCACT
 GTGGGAGAATAACCATGGAATAAGATAAAAAATTAATTCACACCCTAGTGTGTGAAGTTCCTCGCTCA
 TAGGAAATGCAACAGTTTGGGGAGCATTGCCCTTTGTTCTGTGAGGACTGGCAGGCTTTGACTGACC
 TCTCATTCCCTTTCAGCTGCTTCAGGTTAGTCTAGTCCATAATGGCCTTTGAGCAGCAAGCTTTCAGAA
 GATTATATTTGAGGATTGTAGCAGTTTCTTTGTTTCAATGAGTAGAAAAGTATTATCTATTAATAT
 CTTGTAAGGGCAGCCAGGGATAAAAAGTATCCTTTGTTCAATGAGTAGAAAAGTATTATCTATTAATAT
 TTAAGACCAGGAAAAAAAAAAGAGGCTTAAGAGTAAGCCTGGAAAATCTCACTGTTTTCGTAGTATT
 GGCTGTATTTTCAGTGCCTCCAGCTTTCAGCTTTCAGAGACAAGTGTTCAGTGTGTTGACTTTCCCTTG
 ACATTTCTCAGAAAAATGCAGGGCTGCAGCTGAGAGCAGACTGCTGATTGGTACTCTGGTCTGCCTAGC
 TTTTGCAACTCTTTAAGCTTACTGTGATCACGTGCCCTCTCAGTAGGGGGCTTTTAGAGCAGTTGAATC
 TGCAGAACTGAACCTCTGAGGGCCAAAATAGGACATTTGGGAACAACTCCTTAACCCATGAACCTAGCTGT
 AACATAGTTTGTGGATCCATGCACTGATGCTGTGAAGCCTGCCCTGTGTGTATCTGTTCTCACCTCC
 CTAGCACTGTAAGCAGCGGTGCCCTTGTAGCATGTGTGTTTTGTTTTTAAATGTTTCATGACTCCCCTT
 TGATTTTACATGTTTTCTTGAAATAAGCCTGCCTTCTACCTGGAATTTGTGTGTGTGACTAATACA
 TGTTCTACGAGTTAACTACTTTGGCAGTTTTAATCATTCTTCTTTGTTTTGTGGTAAAGGGGAAAAAT
 AAAACCAGTTGGAACCTTTTGTCTCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_019419

Insert Size: 612 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: [BC046792](#), [AAH46792](#)

RefSeq Size: 2079 bp

RefSeq ORF: 612 bp

Locus ID: 54208

UniProt ID: [Q9JKW0](#)

Cytogenetics: 7 F1

Gene Summary: Positively regulates SLC1A1/EAAC1-mediated glutamate transport by increasing its affinity for glutamate in a PKC activity-dependent manner. Promotes the catalytic efficiency of SLC1A1/EAAC1 probably by reducing its interaction with ARL6IP5, a negative regulator of SLC1A1/EAAC1-mediated glutamate transport (PubMed:18684713). Plays a role in the formation and stabilization of endoplasmic reticulum tubules. Negatively regulates apoptosis, possibly by modulating the activity of caspase-9 (CASP9). Inhibits cleavage of CASP9-dependent substrates and downstream markers of apoptosis but not CASP9 itself. May be involved in protein transport, membrane trafficking, or cell signaling during hematopoietic maturation (By similarity).[UniProtKB/Swiss-Prot Function]