

Product datasheet for MC207784

Arl4d (NM_025404) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arl4d (NM_025404) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arl4d
Synonyms:	1110036H21Rik; Arf4l; Arfl4; Arl5; ARL6; AW456149
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207784 representing NM_025404 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAACCACTTGACTGAAATGGCCCTACAGCCTCGTCCTTTCTGCCGCACTTCCAGGCCCTGCATG
TCGTCGTCATTGGGTGGATTCCGCGGGAAGACTTCCCTTCTTTACCGTCTCAAGTTCAAGGAGTTTGT
CCAGAGCGTCCCCACCAAGGGCTTAATACTGAGAAGATCCGCGTGCCCTGGGGGTTCCCGTGGGATC
ACTTTCCAAGTGTGGGATGTTGGGGTCAGGAGAAGCTTCGGCCACTGTGGCGCTCTACACCCGCCGA
CAGATGGACTGGTGTGTTGGTGGACTCTGCAGAGACTGAGAGGTAGAGGAAGCCAGAATGGAGTTACA
CCGGATCAGCAAGGCTTCCGACAACCAGGGGTGCCAGTGCTGGTGTGGCCAACAAGCAGGACCAACCG
GGGCACTGAGTGCAGCCGAGGTGGAGAAGAGGCTGGCGGTCCGAGAGCTGGCAGCTGCCACGCTACCC
ATGTGCAGGGCTGCAGTGCTGTGGACGGGTGGCCTGCAGCCAGGCCTGGAACATTTGTATGAAATGAT
CCTGAAGAGGAAGAAGGCACCTCGGTCGAGCAAGAAGAGACGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_025404
Insert Size:	606 bp


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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:	<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:	<u>NM_025404.3, NP_079680.1</u>
RefSeq Size:	1397 bp
RefSeq ORF:	606 bp
Locus ID:	80981
UniProt ID:	<u>Q99PE9</u>
Cytogenetics:	11 D
Gene Summary:	Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). GTP-binding protein that does not act as an allosteric activator of the cholera toxin catalytic subunit. Recruits CYTH1, CYTH2, CYTH3 and CYTH4 to the plasma membrane in GDP-bound form (By similarity).[UniProtKB/Swiss-Prot Function]