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Product datasheet for MC205272

Arl13b (NM_026577) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arl13b (NM_026577) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arl13b
Synonyms:	A530097K21Rik; A930014M17Rik; Arl2l1; C530009C10Rik; hnn
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC082574

CCATTCTGATGTTGGAGCGGCCGCTATTGAAGTTTTTTTTTTTTTTTCTCTGGTGTCCCACTGACGCCGC
TCCTGTGTTCCTGAGCCAGTGTTCGGGCTGTCCCGGGGCGGCTGGCGGACTCGGTTAGGGGCCGGACCCC
GCGATCTGTCCGGGTCACCGCCCTCCCGGCCTGCCCTCTTTCCGGTCCACACTAGGGACGCCTGAGGCCG
TGGGGTCCCTGAGCTGGGCCGGGGAGCTCGGGGCTCATCCCCTCCTCCCGAGGCTCGGATGGGAGGTGGC
GGGAGGAGAGACCTGGGATGTTCAGTCTGATGGCCAACTGCTGCAACTTGTTCAAGCGGTGGCGGGAGCC
TGTCAGAAAGGTGACACTTGTGATGGTCGGCCTTGATAATGCTGGTAAAACAGCCACAGCAAAGGGAATC
CAAGGAGAGCATCCTGAAGACGTAGCTCCCACTGTTGGCTTTTCTAAAATTGATCTGAGACAAGGAAAGT
TCCAAGTTACCATCTTTGACTTAGGAGGTGGAAAAAGAATTCGGGGAATTTGGAAGAATTATTATGCTGA
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TAAAGCAGAAAGGAAACAAAATGACCAGTAGCTGAAAAGAGCATCTGGCCACGTAAGCAGTCATGGCATC

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GATGCTCTGGTTTACACATCCCGACTTTTGGACATACTCCTGAAGAAAAACCTCACAAGTTGAGCCAATG
GACTCTACATACCTGATTATTTAATAATCTGTATTTCTATGCATTAAACATGTTTTATAAGATATATGTA
CATGAAAGGGGAATTCCTGGGAAATTATAATCTAAATTTTAACTATTTTTATATTTTTTTCTAAACCTTT
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TTTGAGCTCCTTGGACCCGGATCAGTCAGGTCACATGATGCTAGTTGGCCCTGGTAGTGTTTCTGTGAGT
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GCAGGTGGCTCACATAAGAGAACCACAAGACAGGATGTACATTCTGAACTGGATTTTAGAGGGAAAAGTG
CTCATCTTCTTGGTTCATTTTGTAATATTTAAATTGCCTTTTAAAACTAAACTTATACTTTTGCTATCTT
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ACTCTATTTCATGAAAACAGTTTTGAAATTGAATGTAACATAAACCGGAATCGATGTTTTCTATGGCACT
CTCAAAAAATTAATGTTTTCTTAAAGCTGTATATAAAAAATCCTTTAAAAACTGTTTTGTAAATCCTGTC
AGATTTTAATATTTCAGTCCTTATTTTGTTATACATTTTCATTCTATTCATCATGAATTATATAACATTT
CACACAATAAAAAATTATTTACAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_026577

Insert Size: 1284 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: BC082574, AAH82574

RefSeq Size: 3541 bp

RefSeq ORF: 1284 bp

Locus ID:	68146
UniProt ID:	Q640N2
Cytogenetics:	16 C1.3
Gene Summary:	Cilium-specific protein required to control the microtubule-based, ciliary axoneme structure. May act by maintaining the association between IFT subcomplexes A and B. Binds GTP but is not able to hydrolyze it; the GTPase activity remains unclear. Required to pattern the neural tube. Involved in cerebral cortex development: required for the initial formation of a polarized radial glial scaffold, the first step in the construction of the cerebral cortex, by regulating ciliary signaling (PubMed:23817546). Regulates the migration and placement of postmitotic interneurons in the developing cerebral cortex (PubMed:23153492). [UniProtKB/Swiss-Prot Function]