

Product datasheet for **RR209475**

Abcd4 (NM_001013100) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcd4 (NM_001013100) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abcd4
Synonyms:	Pxmp1l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR209475 representing NM_001013100
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGTCCCGGACCCACGGCCCGAGCTAGTGCCAGGCCAGATTAGATCTGCAACTGTCCAGAAGT
 TCATAAGGATACAGAAGTTTTCTTCTTCTTGGTCATCACAGAATGTCTTAATGTTTCATGACTCTT
 GTGTGTGGCCCTCCTGGAGCAACTGGTATCTACCAAGTTGGCTTATCCCCAGTCAGTATTATGGTGTC
 TTGGGAAACAAAGACCTGGATGGATTTAAGGCACTGACCTTCTGGCCGTGGCACTATTGTTCTCAACT
 CCACCCTGAAGAGTTTTGACCAGTTCACCTGCAACCTGCTGTATGTGAGCTGGAGGAAAGACCTCACAGA
 GCACCTGCACCAGCTCTACTTCCGGGCCCGGTACTACACCCTCAACGTGCTGCGGGACGACATCGAT
 AATCCGGACCAGCGGATCAGCCAGGACGTGGAGCGGTTCTGCCGCAGCTCAGCAGCGTGACCAGCAAGC
 TCATCATCTCCCCTTCACTCTCGCTACTATACCTACCAGTCTTCAAAGCACAGGCTGGCTTGGGCC
 TGTGAGCATCTTTGGATATTTTCATCTGGGTACCATGGTGAACAAAACCTTTGATGGGGCCATCGTGACG
 AAGCTGGTGCAGCAGGAGAAGCTGGAGGGGGATTTTAGGTTCAAGCATATGCAGATTCGAGTGAACGCTG
 AGCCTGCAGCTTTCTACAGAGCTGGGCTCGTAGAGCACATGAGGACGGACCCGAGGCTGCAGAGACTCCT
 TCAGACCCAGAGAGAGCTGATGTCCAGGGAGCTCTGGCTTACATTGGCATCAACACCTTTGACTACCTG
 GGCAGCATTCTGAGTTACGTCGTCATCGCCATCCCCATTTTCAGGGGGTCTACGGAGACTTGAGCCCCA
 CAGAGCTCAGCACCTGGTCAGCAAGAATGCCTTTGTGTGCATCTACCTCATCAGCTGCTTACCCAGCT
 CATTGACCTGTCCACCAGCTCTCGGATGTCCCGGTTACACGCACAGGATTGGAGAGCTTACAGGAGCC
 CTGCTGGACATGTCCCGAAAATCACACGACTGTGAGACCCTAGGCGAGAGCGAGTGGGATTTGGACAAGG
 CCCCAGGGTGGCCGACACAGAGCCATCAGACACTGCTTTTCTGCTTGATCGGGTCTCCATCTTGGCCCC
 TTCTCCGACAAGCCCTGATCAAGGACTTGAGCCTGAAGATCTGTGAGGGGACAGTCTGCTCATTACG
 GGCAACACAGGCACTGGCAAGACCTCCCTGCTGCGGGTGTGGGAGGCTGTGGGAGAGCATGAAAGGCT
 CAGTGCAGATGCTGGCTGATTTTGGGCCACGGGGTGTGTTCTGCTCAGAAGCCGTTCTTCACTGA
 TGGGACACTTCGGGAGCAGGTGATATATCCCTGAAGGAGATCTACCCTGACTCAGGTTCTGCCGATGAT
 GAGAGGATCGTGAGGTTCTTGGAGTTGGCAGGCTGTCCAGCTTGGTGGCAAGAACAGGAGGTCTGGACC
 AGCAGGTGGATTGAACTGGTATGATGTCCTGTCCCGGGAGATGCAAAGACTGTCCTTCCGCCCGCT
 CTTCTACCTGCAGCCTAAGTATGCAGTCTTGTGAAGCCACCAGTGCCTGACAGAGGAAGCGGAGAGT
 GAGCTCTACCGAATTGGCCAGCAACTGGGGATGACATTTATCAGCGTGGGACATCGGCCAGCCTTGAGA
 AGTTTCACTCCTGGGTTCTGAGACTCCATGGAGGAGGAAGCTGGGAACTGACTAGAAATCAAATGGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209475 representing NM_001013100
 Red=Cloning site Green=Tags(s)

MAVPGPTARASARPRDLQLVQKFIRIQKVFPPSWSSQNVLMFMTLLCVALLEQLVIYQVGLIPSQYYGV
 LGNKDLDFKAL TFLAVALIVLNSTLKSFDQFTCNLLYVSWRKDLTEHLHQLYFRARVYVYTLNVLRDDID
 NPDQRISQDVERFCRQLSSVTSKLIISPFTLAYTYQCFQSTGWLGPVSIIFYGILGTMVNKTLMPPIVT
 KLVQQEKLEGDFRFKHMQIRVNAEPAAFYRAGLVEHMRDRLRQLLQTQRELMRELWL YIGINTFDYL
 GSILSYVVIAIPIFRGVYGDLSPELSTLVSKNAFVCIYLI SCFTQLIDLSTLSDVAGYTHRIGELQEA
 LLDMSRSHDCETLGESEWDLKAPGWPTTEPSDTAFLDRVSILAPSSDKPLIKDLSLKICEGQSLIT
 GNTGTGKTSLLRVLGGLWESMKGSVQMLADFGPHVLFLLPQKPFPTDGLREQVIYPLKEIYPDGSGSADD
 ERIVRFLLEAGLSSLVARTGGLDQQVDWNWYDVLSPGEMQRLSFARLFYLPKYAVLDEATSALTEEAES
 ELYRIGQQLGMTFISVGHRSLEKFHSWVLRHGGGSWELTRIKMG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001013100

ORF Size: 1818 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001013100.3](#), [NP_001013118.2](#)

RefSeq Size: 2358 bp

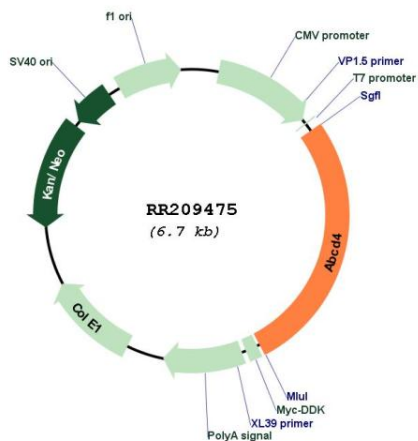
RefSeq ORF: 1821 bp

Locus ID: 299196

Cytogenetics: 6q31

MW: 68.7 kDa

Product images:



Circular map for RR209475