

Product datasheet for **MC220901**

E430025E21Rik (BC034070) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | E430025E21Rik (BC034070) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | E430025E21Rik |
| Synonyms: | MGC31278, mKIAA0196 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >BC034070
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAGCCGGTGTGGAGGTGTGGTGAAGGCCTCTGGCAGGAAGAGGAGTTGAAAAATCTTCAAG
 CTTGGTTCAGAGAGATCTCAAAACAAATACTGTCTCTAAATTATGATGATTCTACTGCTGCAGGCAGAAA
 AACTGTGCAACTAATAACAAGCTCTGGAAGAGGTTCAAGGATTTACCAGTTGGAATCAAATCTACAAGTT
 TGCCAGTTTCTAGCTGACACCCGAAAGTTTCTCCATCAAATGATCAGAACCATCAACATCAAGGAGGAAG
 TCCTGATCACAGTGCAGATCATCGGGGACCTTTCCTTTCCTGGCAGTTAATTGACAGTTTCACATCCAT
 CATGCAAGAAAGCATAAGGGTAAACCCATCCATGGTTACCAAACCTCAGAGCCACGTTCTAAAGCTTGCC
 TCTGCCCTTGACCTTCCCTGCTACGTATTAATCAAGCAAATAGCCCTGATCTCCTCAGTGTGTCTCAGT
 ATTATTCAGGAGAATTGGTGTACATACGTGAGAAAGTTTTGCAGATCATTCCAGAAAGCATGTTACATC
 TCTCCTGAAGATCATAAAGCTTCAGACCCATGACATCATGGAAGTGCCTACACGCCTGGACAAGGACAAG
 CTGCGGGACTACGCTCAGCTTGCCCGAGATATGAGGTTGCCAAGCTCACTCACGCCATCTCCATCTTTA
 CTGAGGGCATCTTGATGATGAAAACGACCTGGTGGGCATCATCAAGGTGGATCCCAAGCAGTTGCTGGA
 AGACGGAATAAGGAAAGAGCTGGTTAAACGCGTGGCTTTCGCCCTTACCAGGGGACTGATTTCAACCCCT
 CGTGCCAAAGCAAGTGAAGTTGATGCCAAAACCTGAAAGAGCTGGGGGCCACCATGGATGGGTTCCATCGCT
 CCTTTGAGTATATACAGGACTACGTGACATTTACGGTCTGAAGATTTGGCAGGAGGAAGTCTCTCGTAT
 TATAAATTATAACGTGGAACAGGAGTGTAAACTTCTTAAGAACAAGATTCAAGACTGGCAGAGTATG
 TACCAATCCACTCATATACCAATCCCGAAGTTTGACCTGTGGATGAGTCTATAACATTTATTGGTCGAC
 TCTGCAGAGAAAATCTTGCGGATCACAGCCAAAATGACATGTTACATAGACCAGCTGAACACTTGGA
 TGACGTGAAAACCTCATCAAGAAGTGACCAGCAGTCGCCTTCTCAGAAAATCCAGACCACCTGGGGACT
 TTTGGTCTGAATGGATTGGACAGGCTTCTGTGCTCATGATTGTGAAAGAGCTACAGAATTTCTCAGTA
 TGTTTTAGAAAATTATCCTGAAAGAGAGAAGTGTCAAGAAAATTTAAAGATGCTCATGAGTGTGTTAA
 CCCTCTAAAGAGCATAGTGGCAAATTAAGTAAAGTTTATCTTTCTGCCATCACCAAAACACAGAAGATC
 TGGAGTGTACCTGGAGGCTATAATGAAGTTGGACAGATGCAGATCCTGAGACAACAGATCGCCAATG
 AGCTAACTCTTCTGTGATTTGATTCCAGACATCTGGCAGCTGCCCTGGATAATCTCAATAAGGCTCT
 CCTGGCAGACATCGAAGCCACTACCGGACCTTCGCTTCTTACCCAAAGAAGATAACACACTCTTA
 TATGAAATCACAGCCTATCTGGAGGCGGCTGGCATTACACAACCCCTGAATAAGATTTACATAACAACGA
 AGCGCTTACCCTATTTCCCGATTGTCAACTTTCTGTTTTGATCGCGCAGTTGCCAAAACCTCAGTATAA
 CAAAAATCTAGGCATGGTCTGCCGGAAGCTGCCGACCCTGTTGACTGGCCACCGCTCGTCTAGGTCTG
 CTCACGCTGTGAAGCAGTTCCACTCCCGGTACACCGAGCAATTCCTGGCACTGATTGGCCAGTTTATTC
 GCTCCACAATGGAGCAGTGCACAAGCCAGAAGATGCCTGAAATGCCTGCAGATGCTGTGGGCGCCCTTCT
 CTTCTGGAGGATTATGTTCCGTATACAAAACCTCCCCGAAGGGTGGCTGAAGCCATGTGCCTAACTTC
 ATTTTTGATGAATCCGAACAGTCTGTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCTGAAGAGGATCTGGCAGCAAATGATA
 TCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: BC034070
Insert Size: 2130 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).

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| 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>BC034070</u> , <u>AAH34070</u> |
| RefSeq Size: | 2642 bp |
| RefSeq ORF: | 2129 bp |
| Locus ID: | 223593 |
| Cytogenetics: | 15 D1 |
| Gene Summary: | Acts at least in part as component of the WASH core complex whose assembly at the surface of endosomes seems to inhibit WASH nucleation-promoting factor (NPF) activity in recruiting and activating the Arp2/3 complex to induce actin polymerization, and which is involved in regulation of the fission of tubules that serve as transport intermediates during endosome sorting. May be involved in axonal outgrowth. Involved in cellular localization of ADRB2. Involved in cellular trafficking of BLOC-1 complex cargos such as ATP7A and VAMP7 (By similarity). Involved in cytokinesis and following polar body extrusion during oocyte meiotic maturation (PubMed:24998208).[UniProtKB/Swiss-Prot Function] |