

Product datasheet for **MC219270**

Eps15 (NM_001159964) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Eps15 (NM_001159964) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Eps15 |
| Synonyms: | 2410112D09Rik |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC219270 representing NM_001159964
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATTTAAAAAGCGATTTCAGGATTAGGAGGATGGATAGCCATACCAGCTGTAGCTGATGTTCTCAGAT
 ACTCTTGCAATTGTTTCTGGTCTTCTAGGGAAAAGAACAATGTGGAGCAGGACCTTAAAGAGAAGGAAGA
 CACAGTTAAGCAGAGGACCAGTGAGGTTTCAAGATGAAGTTCAAAGGGAGAGTATTAATCTA
 CAAAACTGCAGGCCAGAAGCAGCAGGTGCAGGAGCTCCTGGGTGAACTGGATGAGCAGAAAGCCAGC
 TGGAGGAGCAGCTCCAGGAAGTCAGGAAAAAGTGTGCTGAGGAGGCCAGCTGATTTCTCCCTGAAAGC
 AGAAATAACTAGTCAAGAATCTCAGATCTCCAGTTATGAGGAAGAAGTGTGAAAGCTAGAGAAGAACTA
 AGTCGCCTACAACAAGAAACAGCACAATTGGAAGAAAGTGTGGAGTCAGGGAAGGCTCAGCTGGAACCTC
 TTCAGCAGCACCTACAAGAGTCACAACAGGAAATCAGCTCAATGCAAATGAGATTGGAATGAAAGATCT
 GAAAAGTATAATAACCAATCAAATTGGAGCAGTAGCCCAAAGCGTTCTTGTTAATGGTGTACAGAT
 TACTGTAGCCTCAGCACCAGCAGCAGTGAACAGCCAACCTCAACGAACATGCTGAAGGCCAAAACAACC
 TAGAGTCTGAACCCACACACCAGGAGTCTCAGTAAGAAGTAGTCTGAAATCGCACCTTCTGATGTGAC
 TGATGAAAGTGAGGCTGTGACTGTGGCTGGTAATGAGAAAGTTACTCCGAGATTTGACGATGACAAGCAC
 TCAAAGAGGAAGATCCATTTAATGTAGAATCAAGTTCAGTGCAGATGCAGTTGCAGATACAAAATTGG
 ATTTTTCCAGTCTGATCCTTTTGTGGCAGTGATCCTTTCAAGGATGATCCTTTTGAAAAATTGATCC
 ATTTGGTGGTGACCTTTCAAAGGCTCAGATCCTTTTGCCTGATTGCTTCTTTAAGCAGACTTCTACT
 GATCCTTTTACCATTCAAGTACGGACCCTTTCAGTGCATCCAGCAACAGCAGTAATACATCGGTAGAAA
 CTTGGAAGCACAATGACCCATTTGCTCCTGGTGGAAACAGTTGTTGCTGCAGCGAGTGATTCAGCCACAGA
 CCCTTTTCTGTTTTTCGAAATGAATCATTGGAGATGGATTTGCTGACTTCAGCACATTATCAAAG
 GTCAACAATGAAGATGCTTTTAATCCTACCATATCAAGTTCTACCAGCAGTGTGACCATTGCAAAACCTA
 TGTTAGAGGAAACAGCCAGCAAGAGTGAAGATGTGCCTCCAGCACTGCCGCCAAAGTTGGCACTCCAAC
 AAGACCTTGCCCGCCACCCCTGGGAAAAGACCCATCAACAAATTGGATTCTTCTGATCCCCTTAAACTG
 AATGATCCATTTAGCCTTTCCAGGCAATGATAGTCCCAAAGAAAAGATCCTGATATGTTTTGTGATC
 CATTCACTTCTTCTACCACTACCAATAAAGAGGCTGACCCAAGCAATTTTGCTAACTTCAGTGCTTATCC
 CTCTGAAGAAGATATGATTGAATGGCAAAAAGGGAAAGTGAGCGGGAAGAAGAACAGAGGCTTGCCAGA
 CTAATCAGCAGGAGCAAGAAGACTTGGAACTGGCCATTGCACTTAGCAAATCTGAGATCTCAGAAGCAT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001159964
Insert Size: 1752 bp

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| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| 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: | NM_001159964.1 , NP_001153436.1 |
| RefSeq Size: | 4244 bp |
| RefSeq ORF: | 1752 bp |
| Locus ID: | 13858 |
| UniProt ID: | P42567 |
| Cytogenetics: | 4 C7 |
| Gene Summary: | <p>Involved in cell growth regulation. May be involved in the regulation of mitogenic signals and control of cell proliferation. Involved in the internalization of ligand-inducible receptors of the receptor tyrosine kinase (RTK) type, in particular EGFR. Plays a role in the assembly of clathrin-coated pits (CCPs). Acts as a clathrin adapter required for post-Golgi trafficking. Seems to be involved in CCPs maturation including invagination or budding. Involved in endocytosis of integrin beta-1 (ITGB1) and transferrin receptor (TFR); internalization of ITGB1 as DAB2-dependent cargo but not TFR seems to require association with DAB2.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks multiple exons at the 5' end and has a distinct 5' UTR and start codon, compared to variant 1. These differences result in a protein (isoform B) with a shorter and distinct N-terminus, compared to isoform A. Isoform B localizes to early endosome membranes.</p> |