

Product datasheet for **MG209295**

Eps15I1 (BC015259) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eps15I1 (BC015259) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eps15I1
Synonyms:	9830147J04Rik; A1593686; Eps15-rs; Eps15R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209295 representing BC015259
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCGCGCTTGTACCCCTCTCGCAGCAGATTCCAGTGGAAATCCGTTATACGAGTCTTATTACA
 AGCAGGTGGACCTGCCTACACAGGAGAGTTGGGGCAAGCGAGGCTGCGCTGTTTCTGAAGAAATCGGG
 GCTCTCAGACATCATCTGGGAAGATATGGGACTTGGCAGACCCCAAGGTAAGGGTTCTTGACAAA
 CAGGGTTTCTATGTTGCACTGCGACTGGTGGCCTGTGCACAGAGTGGCCATGAAGTCACTTGAGCAGTC
 TGAGCCTCACCATGCCACCACAAAATTCATGATACCAGCAGCCACTGATGGCCACACAGTCACTCTGC
 AGAGACCCACTGGGCTGTGCGGGTGGAGGAGAAGGCAAAGTTTGGTGGCATCTTTGAAAGCCTTCTACCA
 GTCAATGGGCTACTCTCTGGAGACAAGGTCAAGCCGGTCTCATGAACCGAACTACCTCTGGATGTGC
 TGGGCAGGGTCTGGACCTCAGTGACATAGACAAGGATGGACATTTGGACCGAGATGAGTTTGTGTGGC
 TATGCACTTGGTGTACCGCGCCCTGGAGAAGGAACAGTCCCTCCATCTGCCCGGCCCTCATCCCA
 CCCTCTAAGAGGAAGAAGACTGTGTTTGCAGGAGCTGTGCTGTCTGCCTGCTAGTCCCCACCCAAAG
 ACAGCCTCCGCTCCACACCATCCCACGGCAGCGTAAGCAGCCTCAACAGCACAGGAGCCTGTCCCCGAA
 GCACAGCGTCAAGCAGCCACCAGTGGCCTGGGTTGTGCCTGTGGCAGATAAGATGCGCTTTGATGAGATC
 TTTTTGAAGACAGACCTGGACCTTGTGGCTATGTGAGTGGCCAGGAAGTTAAGGAGATCTTCATGCACT
 CAGGCCTCACTCAGAACCTTCTGGCACACATCTGGGCCCTGGCTGATAACAAGACAAACGGGCAAGTTAAG
 CAAAGAGCAGTTCGCACTAGCTATGTATTTCACTCAGCAGAAGGTCAAGAAAGGATCGACCCTCCTCAA
 GTCCTCTCGCCTGACATGGTGGCACCCCTCTGAGAGAGGCACTCCATTCCAGACAGTTCAAGTACTCTGG
 CATCAGGAGAGTTCACTGGTGTAAAGAGCTGGATGACATTAGCCAGGAGATCGCACAGTTGCGAGAGGA
 GAAATACTCATTGGAACAAGACATCAGAGAAAAGGAAGGCAATCAAACAGAAAACAGCGAAGTACAG
 GAATTACAAAATGACCTAGACCGGAAACTAGTAGTCTGCAGGAGCTTGAGGCTCAGAAACAGGATGCC
 AGGACCGCTGGATGAGATGGACCAGCAGAAGGCTAAGCTGCGGGACATGCTGAGTGACGTGCGGCAGAA
 ATGCCAGGATGAGACCCAGACAACTCATCATTGAAAACCCAGATTCAGTCTCAGGAGTCAGACTTGAAG
 TCCAGGAGGATGACCTGAACAGGGCAAGTCAGAGCTGAATCGGCTGCAGCAAGAGGAGACACAGCTGG
 AGCAGAGCATCCAGGCTGGACGTGCACAGCTGGAGACCATCCTCAGGTCCTGAAGTGCACACAGGATGA
 CATCAACCAGGCAAGAAGCAAGCTGTCCAGCTACAGGAGAGCCACCTAGAAGCTACCCGGAGCCTGGAA
 CAGTATGACCAGGTGCCTGATGGGTCTCTGGTACCAGCTGCCTGACCTGGCCACCTTGAACGAAGGCA
 TCTTGCTGGCAGAGAGGGCGGCTTTGGAGCTATGGTAAAGTTCGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209295 representing BC015259
 Red=Cloning site Green=Tags(s)

MAAPLVPLSQQIPSGNPLYESYYKQVDPAYTGRVGASEAALFLKKSGLSDIILGKIWDLADPEGKGF LDK
 QGFYVALRLVACAQSGHEVTLSSLSLTMPPPKFHDTSSPLMATQSSAETHWAVRVEEKAKFDGIFESLLP
 VNGLLSGDKVKPVLMSKPLDVLGRVWDLSDIDKDGHLDRDEF AVAMHLVYRALEKEPVPSILPPLIP
 PSKRKKTVFAGAVPVL PASPPPKDSL RSTPSHGSVSSLNSTGSLSPKHSVKQPPVAVVVPVADKMRFDEI
 FLKTDLDLDGYVSGQEVKEIFMHSGLTQNLLAHIWALADTRQTGKLSKEQFALAMYFIQQKVS KIDPPQ
 VLS PDMVPPSERGTPIPDSSSTLASGEFTGVKELDDISQEI AQLQREKYSLEQDIREKEEAIKQK TSEVQ
 ELQNDLDRETSSLQELEAQKQDAQDRLDEMDQQKAKLRDMLSDV RQKCQDETQTISSLKTQIQS QESDLK
 SQEDDLNRAKSELNRLQQEETQLEQSIQAGRAQLETILRSLKCTQDDINQARSKLSQLQESHLEAHRSL E
 QYDQVPDGVSGTSLPDLATLNEGILLAERGGFGAMVKVE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC015259

ORF Size: 1799 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: [BC015259](#), [AAH15259](#)

RefSeq Size: 3404 bp

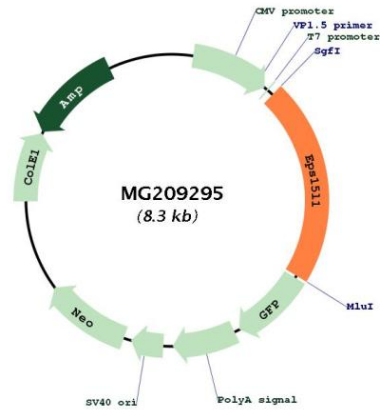
RefSeq ORF: 1799 bp

Locus ID: 13859

Cytogenetics: 8 B3.3

Gene Summary:

Seems to be a constitutive component of clathrin-coated pits that is required for receptor-mediated endocytosis. 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG209295