

Product datasheet for **RG234530**

EPS15R (EPS15L1) (NM_001258376) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPS15R (EPS15L1) (NM_001258376) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EPS15R
Synonyms:	EPS15R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234530 representing NM_001258376
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGGCGCGCTCATCCCCCTCTCCAGCAGATTCCCACTGGAATTCGTTGTATGAATCTTATTACA
 AGCAGGTCGATCCGGCATACACAGGGAGGGTGGGGCGAGTGAAGCTGCGCTTTTCTAAAGAAGTCTGG
 CCTCTCGGACATTATCCTTGGGAAGATATGGGACTTGGCCGATCCAGAAGGTAAAGGGTTCTTGACAAA
 CAGGGTTTCTATGTTGCACTGAGACTGGTGGCCTGTGCACAGAGTGGCCATGAAGTTACCTTGAGCAATC
 TGAATTTGAGCATGCCACCGCTAAATTTACGACACCAGCAGCCCTCTGATGGTCACACCGCCCTCTGC
 AGAGGCCCACTGGGCTGTGAGGGTGAAGAAAAGGCCAAATTTGATGGGATTTTTGAAAGCCTCTTGCCC
 ATCAATGGTTTGTCTCTGGAGACAAAGTCAAGCCAGTCTCATGAAGTCAAAGTGCCTCTTGATGTCC
 TGGGCAGGGTCTGGGACCTCAGTGACATTGACAAGGATGGGCACTTGGATCGAGATGAGTTTCGTGTGGC
 CATGCACTTGGTGTACCGAGCCCTGGAGAAGGAGCCCGTCCCTCCGCCCTGCCCGCTCCCTCATCCCA
 CCCTCCAAGAGAAAGAAGACTGTGTTCCCTGGCGCCGTCCCGTCTGCCTGCCAGCCCCCACCAAAAG
 ACAGCCTCCGCTCCACGCCGTCCACGGCAGCGTCAGCAGCCTCAACAGCACAGGGAGCCTGTCCCCAA
 GCACAGCCTCAAGCAAACACAGCCAACAGTGAAGTGGTGGTGGCCGTGGCAGACAAGATGCGATTTGAT
 GAGATATTCCTGAAGACCGACCTGGACCTGGATGGCTACGTGAGTGGCCAGGAGGTGAAGGAGATCTTCA
 TGCACCTCGGGCTCACCCAGAACCTTCTAGCACACATATGGGCCCTGGCCGATACGAGGCAACGGGGAA
 GTTAAGCAAAGACCAATTCGCGTTAGCTATGTATTTTATTGAGCAGAAAGTCAAGGAGTCAAGGAGTCA
 CCTCAAGTCTCTCGCCGGACATGGTCCCGCTTCGGAGAGAGGACGCGCCGCGCCGACAGTTTCAAGGCT
 CTCTCGGCTCCGGGGAGTTTACTGGCGTGAAGGAGCTTGTGACATCAGTCAAGAGATTGCCAGTTTACA
 AAGAGAGAAATATTTCACTGGAACAAGACATTCGAGAAAAGGAAGAGGCAATCAGACAGAAAACCGCGAG
 GTGCAGGAATTACAAAATGACCTAGACCGGGAACAAGCAGTTTGCAGGAGCTCGAGGCTCAGAAACAGG
 ATGCTCAAGACCGCTGGACGAGATGGACCAGCAGAAGGCCAAGTCCGAGACATGCTGAGCGACGTCGG
 GCAGAAGTGCCAGGATGAGACTCAGATGATCTCATCACTGAAAACGCAATCCAATCTCAGGAATCTGAC
 TTAAGTCCCAGGAAGACGATCTGAACCGAGCCAAGTCCGAGCTGAACCGATTGCAGCAGGAGGAAACCC
 AGCTGGAGCAGAGCATTAGGCTGGGCGAGTCCAGCTGGAACCATCATCAAGTCCCTGAAGTCAACGCA
 AGACGAAATCAACAGGCAAGGAGCAAACTTTCCAGCTGCATGAAAGCCGCCAGGAGGCCACAGGAGC
 CTGGAGCAGTATGACCAGGTGCTCGATGGAGCCCATGGTCCAGCCTGACCGACCTGGCCAACTGAGCG
 AAGGCGTCTCCCTGGCAGAGAGGGGCAGTTTTGGAGCCATGGTAAAGGTTGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234530 representing NM_001258376
 Red=Cloning site Green=Tags(s)

MAAPLIPLSQIPTGNSLYESYYKQVDPAYTGRVGASEAALFLKKSGLSDIILGKIWDLADPEGKGFLLDK
 QGFYVALRLVACAQSGHEVTLNLSNLSMPPPKFHDTSSPLMVTTPPSAEAHWAVRVEEKAKFDGIFESLLP
 INGLLSGDKVKPVLMSKLPDLVLRVWDLSDIDKDGHLDRDEFVAMHLVYRALEKEPVPSALPPSLIP
 PSKRKKTVFPGAVPVLSPPPPKDSLSTPSHGSVSSLNSTGSLSPKHSKQTQPTVNWVVPVADKMRFD
 EIFLKTDLDDGYVSGQEVKEIFMHSGLTQNL LAHIWALADTRQTGKLSKDQFALAMYFIQQVSKGIDP
 PQVLSPDMVPPSERGTPGPDSSGSLSGEFTGVKELDDISQEIQLQREKYSLEQDIREKEEAIROKTSE
 VQELQNDLDRETSSLQELEAQKQDAQDRLDEMDQQKAKLRDMLSDVRQKCQDETQMISSLKTQIQSQESD
 LKSQEDDLNRAKSELNRLQQEETQLEQSIQAGRVQLETIIKSLKSTQDEINQARSKLSQLHESRQEAHRS
 LEQYDQVLDGAHGASLTDLANLSEGVSLAERGSFGAMVKVE

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001258376

ORF Size: 1803 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_001258376.1](#), [NP_001245305.1](#)

RefSeq Size: 3566 bp

RefSeq ORF: 1806 bp

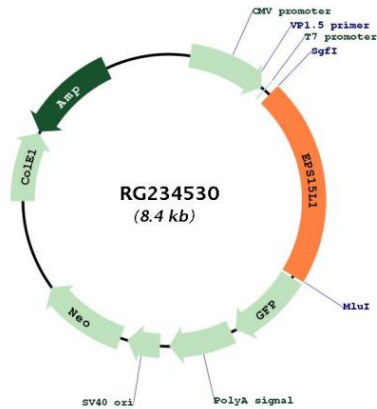
Locus ID: 58513

UniProt ID: [Q9UBC2](#)

Cytogenetics: 19p13.11

Protein Families:	Druggable Genome
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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234530