

Product datasheet for **MG220159**

Eps8l1 (NM_026146) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eps8l1 (NM_026146) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eps8l1
Synonyms:	2310051G19Rik; 4632407K17Rik; AW060268; DRC3; EPS8R1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG220159 representing NM_026146
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCACCACCACAGGGCCTGAAGCTGCACCCAAACCAAGTGCAAAGTCTATCTATGAACAGAGAAAAC
 GTTACTCCACCGTGGTTATGGCTGACGTGTCCAGTATCATGTCAATCACCTGGTACCTTCTGCTTGGG
 GGAAGAAGATGGCGTGACACTGTGGAAGATGCTTCCAGAAAGCTGGCAGTCATGGACAGCCAGGGGCGT
 GTCTGGGCACAGGAGATGCTACTGAGAGTGTACCTAGTCAAGTCACTCTGCTTGATCCAGTCTCCAAGG
 AAGAACTAGAGTCATATCCTCTCGATGCCATCGTACGCTGCGACGCGGTGATGCCCGAGGACGGAGCCG
 TTCATTGTGCTCCTGGTGTGCCAGGAGCCAGAGCGTGCACAGCCGGATGTTCAATTTCTCCAGGGCCTG
 CTCCTCGGAGCGGAGTGTCCGTGAGGACATCCAAGGGGCTCTGCAGAACTACCGCTCCGACGTGGAG
 AACGCAGGGCAGCAGCGCTCAGGGCGACGAGGAGAGTGCACGCGGGCCTCTCCAGCAGCGGAGAC
 CCCGCCCTTACAGCGTCGCCCGTGTCCGCTGGTGTCAACACCGTGAACCATCCGACGTCCGCGGG
 CGACCCCAAGTGGAGTCAATCCAGAGACTGAGGAAGCAAGGAAACCCGACCAAGCTCGCAGACTAGCA
 GTGCTGACCTACCTCCCAGACTTGGGCCAAGAGGACCTGAGCTGGCGGGTCTGCAGGAGAGCGGGGA
 TGTGGATATTCTGAACCAGTGTGGACGCTGGAGAGTGGTGTATCCAGACTGCAAAAATCAGCAGAG
 GCTACCCGGGTTTTGGAGCACCAGCAGAGAGGCCCGCAGGACACGACGCCGAGCTGCGGGAGAGGGTCTGC
 TGACACTGAGGGCCAAGCACCCTGAGGCTGAGTACACCGAGCTGCTTCAAAAATCAAAATACGCTT
 CAGTCTGCTGGCCGGTGTGCGAGGCAACATCGCCAACCCCTCCTCCAGAGCTGTTGCACTTTCTGTTT
 GGACCTCTGCAGATGATTGTGAACACTTCAGGCGGCCCTGAGTTCGCGAAGAGTGTGCGACGACCCGATT
 TGACGTTGGAGGCTGTGACTCTGCTCCGCGACAATGTCACTCCTGGTGAATAAATGAACTATGGACCTCGCT
 GGGAGACTCCTGGACCTGCCAGGGGTGGAGCTGCCCGGAAGAAGGGTCTCCATACAGTCCGGAATTC
 TACAATGGCTGGGAGCCTCCGGCCACTGATCCACAGGGCCGCCCTGGGAGGACCAAGTGAAAAACAGC
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 ACTGAAACTGAGTCCCAGCTAGAAGAGAAAGCCAGAAAATGGGTTCTGTGTAATTATGACTTCCAGGCC
 CGAAATGGCAGCGAGCTATCTGTCAAGCACCGAGATGTGTTGGAGGTCTGGATGACAGGCGCAAAATGGT
 GGAAGGTTCCGGACCATCAGGGACAAGAGGGCTATGTACCCTATAATATCCTGACACCCACCTGGACC
 TCAGGTGCACCGCAGCCAAAGCCCCGCAAGACACCTAGAGACTAGCACACCTCCTCCCCACCTGCCCA
 GCTCCAGCCCCAACTCAGGTGCGGCCCCAGTGGGACAGTTGCGACAGTCTAACAGTTTGGATCCCAGCG
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 GGGTCCCAGCCGGTAACCCCGGGGCCCGAGCCCAAGAGCCCCAGCTCAGCCCGCGCTCTGAGGCTCG
 GTGGTCCGTGCCTGGCTGCAGACCAAGGGCTTTAGCTCCGGGACTGTGGAGGCGCTCGGTGTGTGACCG
 GCGCACAGCTCTTCTCGCTGCAAAAGGAAGAGTTGCGGGCGGTGTGCCCGAGGAAGGGGCGCGAGTGTA
 CAGCCAAGTCACTGTGCAGCGCGCTGCTGGAGGACAGAGAAAAGTATCAGAGCTGGAGGCCGTGATG
 GAGAAGCAAAAGAAAAAAGTGGAAGGCGAGACAAAACAGAAGTCATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220159 representing NM_026146
 Red=Cloning site Green=Tags(s)

MSTTTGPEAAPKPSAKSIYEQRKRYSTVVMADVVSQYHVNHLVTFCLGEEDGVHTVEDASRKLAVMDSQGR
 VWAQEMLLRVSPSQVTLTLDVPSKEELESYPLDAIVRCDAVMPGRGRSRLLLLVCQEPERAQPDVHFFOGL
 LLGAELIREDIQGALQNYRSRGRERRAALRATQEELRRGASPAETPPLQRRPSVRLVINTVEPSAVRG
 RPQVESIPETEEARKPDQARTTSSADPTSPDLGPRGPELAGLQAERDVDILNHVFDDVESFVSRLQKSAE
 ATRVLEHRRERGRTRRRRAAGEGLLTLRAKPPTEAEYTDVLQKIKYAFSLLARLRGNIANPSSPELLHFLF
 GPLQMIIVNTSGGPEFAKSVRRPHLTLEAVTLRDNVTPGENELWTSLGDSWTCGPVELPPEEGSPYSPEF
 YNGWEPATDPQGRPWEDPVEKQLQHEKRRRQQSAPQVAVNGQQDPELETESQLEEKARKWVLCNYDFQA
 RNGSELSVKHRDVLEVLDDRRKWWKVRDHQGGQEGYVPYNILTPHPGPVHRSQSPARHLETSTPPPPPAP
 APAPTQVRPQWDSDSLNSLDPSEKEKFSQMLCVNEELQSRLAQGRSGPSRVTPGPRAQEPQLSPRSEAS
 VVRAWLQTKGFSSTVEALGVL TGAQLFSLQKEELRAVCPPEGARVYSQVTVQRALLEDRKVSLEAVM
 EKQKKKVEGETKTEVI

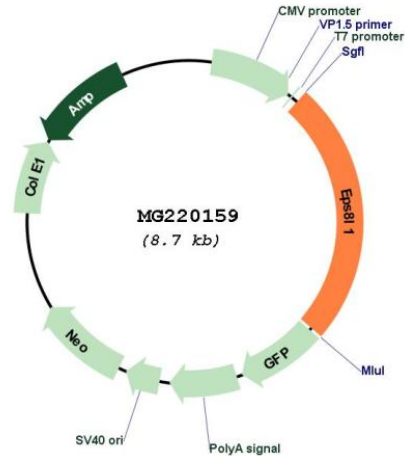
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_026146

ORF Size: 2148 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_026146.4](#), [NP_080422.1](#)

RefSeq Size: 2522 bp

RefSeq ORF: 2151 bp

Locus ID: 67425
UniProt ID: [Q8R5F8](#)
Cytogenetics: 7 A1
Gene Summary: Stimulates guanine exchange activity of SOS1. May play a role in membrane ruffling and remodeling of the actin cytoskeleton (By similarity).[UniProtKB/Swiss-Prot Function]