

Product datasheet for **MG217579**

Epha10 (NM_177671) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Epha10 (NM_177671) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Epha10
Synonyms: A330090H18
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217579 representing NM_177671
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGACTGGCGCCGGTCCACACCCGCTGCGCCTGTTTCGCTGCCTGATACCACTCTGCCTTGCTCTGC
TTCTGGGACCTGGGCGCCCCGGGACCGCCGAAGAAGTTATCCTCCTGGACTCCAAAGCTCCAGGCTGA
GCTGGGCTGGACTGCACTGCCAAGCACTGGGTGGGAGGAGATTAGTGGCGTGGATGAACACGACCGTCCC
ATCCGCACGTACCAAGTGTCAACGTGCTGGAGCCCAACCAGGACAACCTGGCTTCAGACAGGCTGGATCA
GCCGCGCGCGGGCAGCGCATCTTCGTGGAGCTGCAGTTCACACTGCGCGACTGCAGTAGCATAACCAGG
TGCCACGGGCACCTGCAAGAGACCTTCAACGCATACTACCTAGAAACCGAGACCGACCTGGGCCGAGGG
CGTCCCCGCCTAGGAGGCAACCGACCCCGCAAGATTGACACCATCGCAGCTGATGAGAGCTTCACGCAGG
GTGACCTGGGGGAGCGAAAGATGAAGCTGAACACAGAGGTGCGTGAGATCGGCCCCCTCAGCCGGCAAGG
CTTCCACCTGGCCTTCCAGGACGTGGGTGCGTGCGTGGCGTTGGTCTCGGTGCGTGTCTACTACAAGCAG
TGCCGCGCCACAGTGCGGGGCTGGCAGCCTTCCCCGCCACCGCAGCTGAGAGCGCCTTCTCCACGCTGG
TGAAGTGGCTGGAACGTGCGTGGCCACTCGGAAGGGGAGCCCAGCAGCCCTCCCCGCATGCACTGTGG
TGCCGATGGCGAGTGGCTGGTGCCTGTGGGCCGTTGCAGCTGCAGTGCAGGATCCAGGAACATGGTGAC
ATCTGTGAAGGTATCCAGGGCCCCAGAGGGATGGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217579 representing NM_177671
Red=Cloning site Green=Tags(s)

METGAGPHPLRLFVCLIPLCLALLLGPGRPGTAEVILLDSKASQALGWTALPSTGWEEISGVDEHDRP
 IRTYQVCNVLEPNQDNWLQGTWISRGRGQRIFVELQFTLRDCSSIPGATGTCKETFNAYYLETETDLGRG
 RPRLGGNRPRKIDTIAADESFTQDGLGERKMKLNTEVREIGPLSRQGFHLAFQDVGACVALVSVRVYYKQ
 CRATVRGLAAFPATAAESAFASTLVEVAGTCVAHSEGEPPSPRMHCGADGEWLVPVGRCCSAGFQEHGD
 ICEGIQPRGMG

TRTRPLE - GFP Tag - V

Restriction Sites:

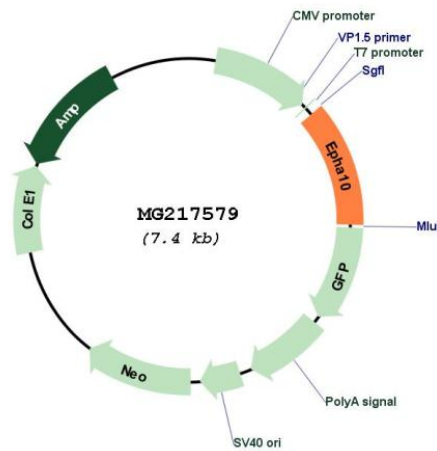
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_177671

ORF Size: 876 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:	<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_177671.6
RefSeq Size:	1236 bp
RefSeq ORF:	879 bp
Locus ID:	230735
UniProt ID:	Q8BYG9
Cytogenetics:	4 D2.2
Gene Summary:	Receptor for members of the ephrin-A family. Binds to EFNA3, EFNA4 and EFNA5 (By similarity).[UniProtKB/Swiss-Prot Function]