

Product datasheet for **RG234106**

EMID1 (NM_001267895) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EMID1 (NM_001267895) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EMID1
Synonyms:	EMI5; EMU1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234106 representing NM_001267895 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGGCCCGGGCTTGGGCGCTGCTCTGCCTCGGGCTCCTGCTCCCGGGAGGCGGCGCTGCGTGGA
GCATCGGGGCGAGTCCGTTCTCCGACGCAGGAAGTGGTCTCTATGTGGTGACCCGCACCATCTCATG
CCATGTGCAGAAATGGCACCTACCTTCAGCGAGTGTCTGAGAACTGCCCTGGCCCATGAGCTGTCCGGG
AGCAGCTACAGAACTGTGGTGAACCCACATACAAGGTGATGTACAAGATAGTGACCGCCGTGAGTGGA
GGTGTCTGCCCTGGGCACTCAGGAGTGTCTGCGAGGAAGCTTCTCTGCCTCCTTGAGGCCATGTGGTC
GGGCACTACCATGCGGCGGATGGCGCTTCGGCCACAGCCTTCTCAGTTGTCTCAACTGCAGCAAGTG
TCAGAGCTGACAGAGCGGCTGAAGGTGTGGAGGCCAAGATGACCATGCTGACTGTCTAGAGCAGCCAG
TACCTCCAACACCAGCTACCCCTGAGGACCCTGCCCGCTCTGGGGTCCCCCTCTGCCAGGGCAGCCC
CGGAGATGGAGGCTCCAGGACCAAGTCGGTGCTTGGGGCTTCCCGGGCCACCGGCCCAAGGGAGAT
GCCGGCAGTGGGGGCCAATGGGGATGAGAGGCCACACAGGTCCACAGGGCCCCCAGGGAGCCCTGGCC
GGGCTGGAGCTGTGGGCACCCCTGGAGAGAGGGACCTCCTGGGCCACAGGGCCCTCTGGCCCCCTGG
GCCCCAGCCCCGTGTGGGCCACCCATGCCCGGATCTCCAGCATGGAGACCCATTGCTGTCCAACACC
TTCAGTGAACCAACCACTGGCCCCAGGACCCACTGGGCTCCAGGCCCTCAGGGCCCATGGGTC
CCCCTGGGCTCCTGGCCCCACAGGTGTCCCTGGGAGTCCTGGTACATAGGACCCCAAGGCCCACTGG
ACCCAAAGGAATCTCTGGCCACCCAGGAGAGAAGGGCGAGAGAGGACTGCGTGGGAGCCTGGCCCCAA
GGCTCTGCTGGGAGCGGGGGAACCTGGCCCTAAGGGAGACCCTGGTGAGAAGAGCCACTGGGGGAGG
GGTTGCACAGCTACGCGAGGCTTTGAAGATTTAGCTGAGAGGGTTTAACTTGGAAACAATGATTGG
GCTCTATGAACAGAGCTGGGGTCTGGGCGGGCCCTGCCGACAGGCACCCCAAGCCTCTTCGGGGC
AAGAGGGGCGGACATGCAACCACTACCGGATCGTGGCCCCAGGAGCCGGGACGAGAGAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234106 representing NM_001267895
 Red=Cloning site Green=Tags(s)

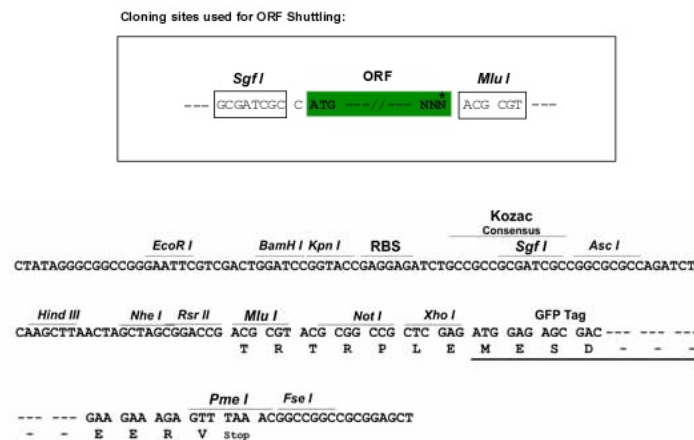
MGGPRAWALLCLGLLLPGGGAWSIGAAPFSGRRNWC SYVVTRTISCHVQNGTYLQ RVLQNCWPWMSCPG
 SSYRTVVRPTYKVMYKI VTAREWRCCPGHSGVSC EEASSASLEPMWSGSTMRMALRPTAFSGCLNCSKV
 SELTERLKVLEAKMTMLTVIEQVPPTPATPEDAPLWGPPPAQGS PGDGLQDQVGAWGLPGPTGPKGD
 AGSRGPMGMRGPPGPQPPGSPGRAGAVGTPGERGPPGPPGPPGPPAPVGP PHARISQHGDP LLSNT
 FTETNNHWPQGPTGPPGPPGPMGPPGPPGPTGVP GSPGHIGPPGPTGPKGISGHPGEKGERGLRGE PGQ
 GSAGQRGEPGPKGDPGEKSHWGEGLHQLREALKILAERVLILETMIGLYEP ELGSGAGPAGTGTPSLLRG
 KRGGHATNYRIVAPRSRDERG

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001267895

ORF Size: 1323 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_001267895.2](#)

RefSeq Size: 2127 bp

RefSeq ORF: 1326 bp

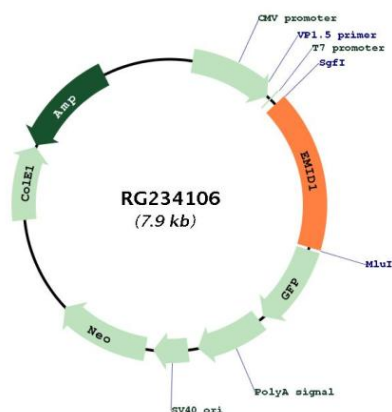
Locus ID: 129080

UniProt ID: [Q96A84](#)

Cytogenetics: 22q12.2

Protein Families: Secreted Protein, Transmembrane

Product images:



Circular map for RG234106