

Product datasheet for **RG208157**

EMID1 (NM_133455) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EMID1 (NM_133455) 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:	>RG208157 representing NM_133455 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCGGCCCGGGCTTGGGCGCTGCTCTGCCTCGGGCTCCTGCTCCCGGGAGGCGGGCTGCGTGGA
GCATCGGGGCAGCTCCGTTCTCCGGACGCAGGAAGTGGTCTCCTATGTGGTGACCCGCACCATCTCATG
CCATGTGCAGAAATGGCACCTACCTTCAGCGAGTGTGCAGAACTGCCCTGGCCCATGAGCTGTCCGGGG
AGCAGCTACAGAACTGTGGTGTGAGACCCACATACAAGGTGATGTACAAGATAGTGACCGCCGTGAGTGGA
GGTGTGCCCTGGGCACTCAGGAGTGTGCTGCGAGGAAGTGCAGGTTCCCTCTGCCTCCTGGAGCCCAT
GTGGTCCGGCAGTACCATGCGGGCAGTGGCGCTTCGGCCACAGCCTTCTCAGGTTGTCTCAACTGCAGC
AAAGTGTGAGAGCTGACAGAGCGGCTGAAGGTGCTGGAGGCCAAGATGACCATGTGACTGTCTAGAGC
AGCCAGTACCTCCAACACCAGCTACCCCTGAGGACCCTGCCCGCTCTGGGGTCCCCCTCTGCCAGGG
CAGCCCCGGAGATGGAGGCCTCCAGGACCAAGTCGGTGTGGGGGCTTCCCGGGCCACCGGCCCAAG
GGAGATGCCGGCAGTCCGGGCCAATGGGGATGAGAGGCCACCAGGTCCACAGGGCCCCCAGGGAGCC
CTGGCCGGGCTGGAGCTGTGGCACCCCTGGAGAGAGGGGACCTCCTGGGCCACCAGGGCCTCCTGGCCC
CCCTGGGCCCCAGCCCCGTTGGGCCACCCATGCCCGGATCTCCAGCATGGAGACCCATTGCTGTCC
AACACCTTCACTGAGACCAACAACCACTGGCCCCAGGGACCCACTGGGCCTCCAGGCCCTCCAGGGCCCCA
TGGGTCCCCTGGGCTCCTGGCCCCACAGGTGTCCCTGGGAGTCTGGTACATAGGACCCCCAGGCC
CACTGGACCCAAAGGAATCTCTGGCCACCAGGAGAGAAGGGCGAGAGGACTGCGTGGGAGCCTGGC
CCCCAAGGCTCTGCTGGCAGCGGGGGAACTGGCCCTAAGGGAGACCCTGGTGAAGAGCCACTGGG
GGGAGGGGTTGCACCAGCTACGCGAGGCTTTGAAGATTTAGCTGAGAGGGTTTTAATCTTGAAACAAT
GATTGGGCTCTATGAGCCAGAGCTGGGTCTGGGGCGGGCCCTGCCGCACAGGCACCCCCAGCCTCCT
CGGGCAAGAGGGGCGGACATGCAACCACTACCGGATCGTGCCCCAGGAGCCGGGACGAGAGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208157 representing NM_133455
Red=Cloning site Green=Tags(s)

MGGPRAWALLCLGLLLPGGGAAWSIGAAPFSGRRNWCYSVVTRTISCHVQNGTYLQRVLQNCWPWMSCPG
 SSYRTVVRPTYKVMYKIVTAREWRCCPGHSGVSCCEEVAGSSASLEPMWSGSTMRRMALRPTAFSGCLNCS
 KVSELTERLKVLEAKMTMLTVIEQPVPPTPATPEDPAPLWGPAPAQSGPDGGLQDQVGAWGLPGPTGPK
 GDAGSRGPMGMRGPPGPQGGSPGRAGAVGTPGERGPPGPPGPPGPPAPVGGPPHARISQHGDPLLS
 NTFETETNNHWPQGPTGPPGPMGPPGPPGPTGVPGSPGHIGPPGPTGPKGISGHPGEKERGLRGEPE
 PQGSAGQRGEPGPKGDPGEKSHWGEGLHQLREALKILAERVLILETMIGLYEPELGSAGAGTGTPSLL
 RGKRGGHATNYRIVAPRSRDERG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133455

ORF Size: 1329 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_133455.2](#), [NP_597712.2](#)

RefSeq Size: 2062 bp

RefSeq ORF: 1332 bp

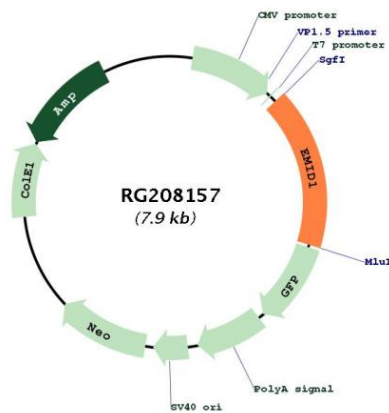
Locus ID: 129080

UniProt ID: [Q96A84](#)

Cytogenetics: 22q12.2

Protein Families: Secreted Protein, Transmembrane

Product images:



Circular map for RG208157