

Protein Sequence: >RG215577 representing NM_021647
 Red=Cloning site Green=Tags(s)

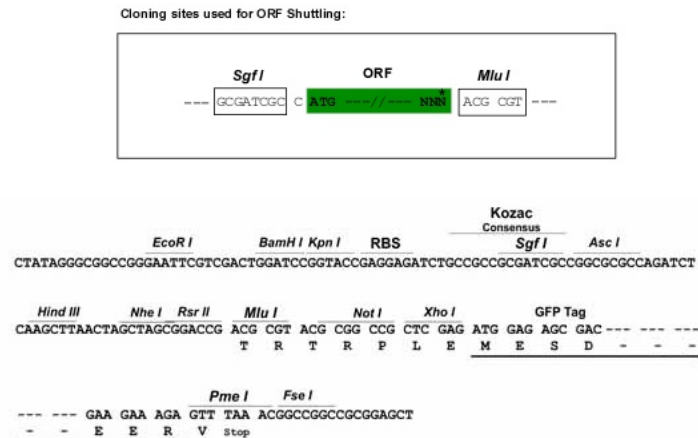
MDRLKSHLTVCFLPSVPFLILVSTLATAKSVTNSTLNGTNVVLGSPVVIARTDHIIVKEGNSALINCSV
 YGIPDPQFKWYNSIGKLLKEEEDKERGGGWQMHDSGLLNITKVSFSDRGKYTCVASNIYGTVNNTVTL
 RVIFTSGDMGVYVMVCLVAFTIVMLNITRLCMMSSHLKTEKAINTEFFRTEGAELQKAFAIAKRIPI
 ITSAKTLELAKVTQFKTMEFARYIEELARSVPLPPLIMNCRTIMEEIMEVVGLEEQGNFVRHTPEQEA
 ADRDEVYTIIPNSLKRSDSPAADSDASSLHEQPQQIAIKVSVHPQSKKEHADDQEGGQFEVKDVEETELSA
 EHPETAEPSTNVTSTELTSEEPTPVEVPDKVLPPAYLEATEPAVTHDKNTCIIYESHV

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_021647

ORF Size: 1227 bp

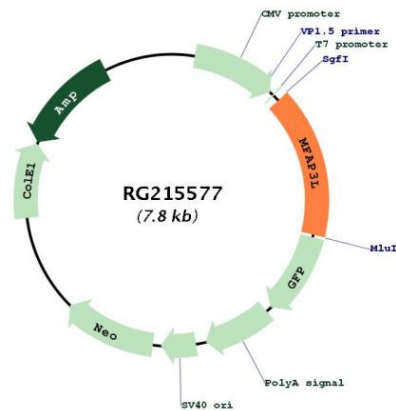
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_021647.5, NP_067679.5</u>
RefSeq Size:	1345 bp
RefSeq ORF:	1230 bp
Locus ID:	9848
UniProt ID:	<u>O75121</u>
Cytogenetics:	4q33
Protein Families:	Transmembrane
Gene Summary:	May participate in the nuclear signaling of EGFR and MAPK1/ERK2. May have a role in metastasis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215577