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Protein Sequence: >MR211894 representing NM_153122
 Red=Cloning site Green=Tags(s)

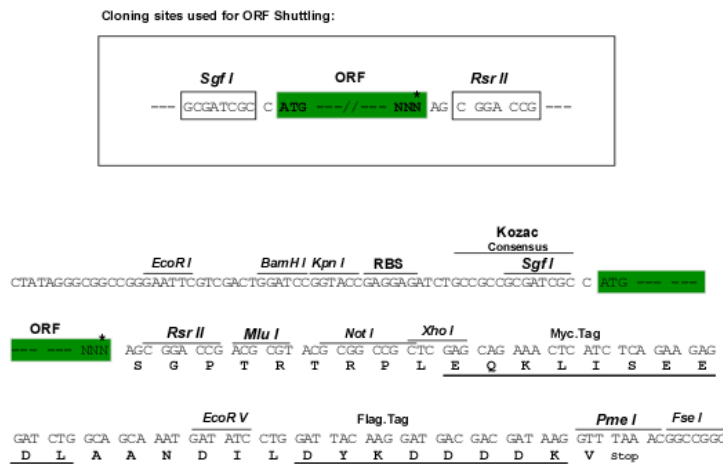
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 LLSVL TERRAFQPYGLHGGEPTGRGLNLLIRKDGRTVNLGGKTSVTVYPGDAFLHTPGGGGYGDPEDPA
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Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



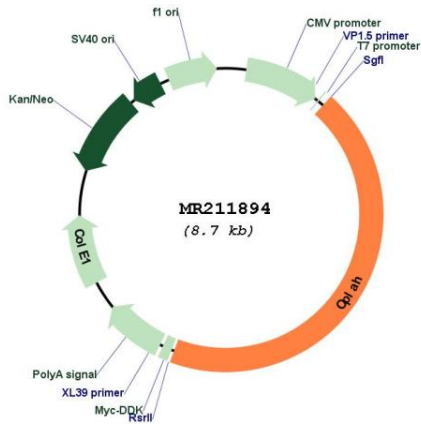
* The last codon before the Stop codon of the ORF

ACCN: NM_153122

ORF Size: 3864 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_153122.3
RefSeq Size:	3970 bp
RefSeq ORF:	3867 bp
Locus ID:	75475
UniProt ID:	Q8K010
Cytogenetics:	15 D3
MW:	138.1 kDa
Gene Summary:	Catalyzes the cleavage of 5-oxo-L-proline to form L-glutamate coupled to the hydrolysis of ATP to ADP and inorganic phosphate.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211894