

Product datasheet for RG211160

TNFSF9 (NM_003811) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

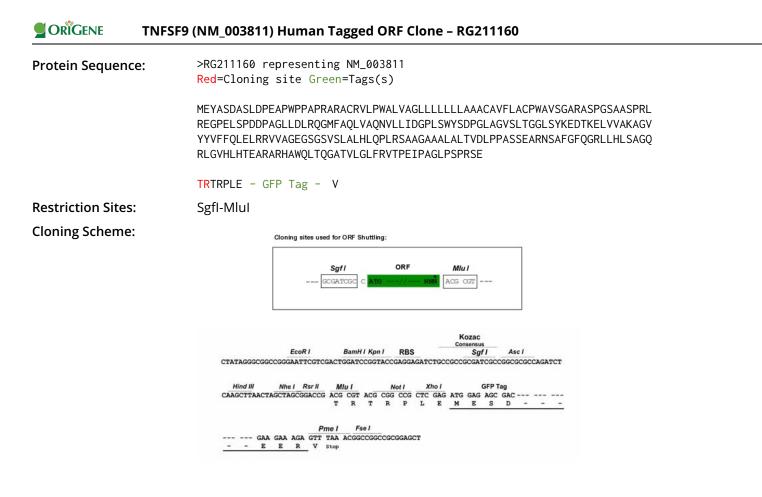
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Product Type:	Expression Plasmids
Product Name:	TNFSF9 (NM_003811) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TNFSF9
Synonyms:	4-1BB-L; CD137L; TNLG5A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG211160 representing NM_003811 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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ACCN:	NM_003811
ORF Size:	762 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. <u>More info</u>
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).

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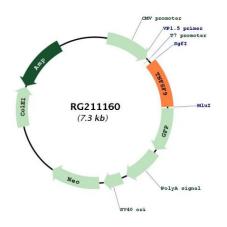
CRIGENE TNFSF9 (NM_003811) Human Tagged ORF Clone - RG211160

Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 003811.4</u>
RefSeq Size:	1645 bp
RefSeq ORF:	765 bp
Locus ID:	8744
UniProt ID:	<u>P41273</u>
Cytogenetics: Protein Families:	19p13.3 Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
Gene Summary:	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9/4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. The ligand encoded by this gene, TNFSF9/4-1BBL, has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells. This cytokine is expressed in carcinoma cell lines,

and is thought to be involved in T cell-tumor cell interaction.[provided by RefSeq, Oct 2008]

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Product images:



Circular map for RG211160

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