OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC235275

RON (MST1R) (NM_001244937) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RON (MST1R) (NM_001244937) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RON
Synonyms:	CD136; CDw136; NPCA3; PTK8; RON; SEA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235275 representing NM_001244937 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGCTCCTCCCGCCGCTGCCTCAGTCCTTCCTGTTGCTGCTGCTGTTGCCTGCCAAGCCCGCGGCGG GCGAGGACTGGCAGTGCCCGCGCACCCCCTACGCGGCCTCTCGCGACTTTGACGTGAAGTACGTGGTGCC CAGCTTCTCCGCCGGAGGCCTGGTACAGGCCATGGTGACCTACGAGGGCGACAGAAATGAGAGTGCTGTG TTTGTAGCCATACGCAATCGCCTGCATGTGCTTGGGCCTGACCTGAAGTCTGTCCAGAGCCTGGCCACGG GCCCTGCTGGAGACCCTGGCTGCCAGACGTGTGCAGCCTGTGGCCCAGGACCCCACGGCCCTCCCGGTGA CACAGACACAAAGGTGCTGGTGCTGGATCCCGCGCTGCCTGCGCTGGTCAGTTGTGGCTCCAGCCTGCAG GGCCGCTGCTTCCTGCATGACCTAGAGCCCCAAGGGACAGCCGTGCATCTGGCAGCGCCAGCCTGCCTCT TCTCAGCCCACCATAACCGGCCCGATGACTGCCCCGACTGTGTGGCCAGCCCATTGGGCACCCGTGTAAC TGTGGTTGAGCAAGGCCAGGCCTCCTATTTCTACGTGGCATCCTCACTGGACGCAGCCGTGGCTGCCAGC TTCAGCCCACGCTCAGTGTCTATCAGGCGTCTCAAGGCTGACGCCTCGGGATTCGCACCGGGCTTTGTGG CGTTGTCAGTGCTGCCCAAGCATCTTGTCTCCTACAGTATTGAATACGTGCACAGCTTCCACACGGGAGC CTTCGTATACTTCCTGACTGTACAGCCGGCCAGCGTGACAGATGATCCTAGTGCCCTGCACACACGCCTG GCACGGCTTAGCGCCACTGAGCCAGAGTTGGGTGACTATCGGGAGCTGGTCCTCGACTGCAGATTTGCTC CAAAACGCAGGCGCCGGGGGGCCCCAGAAGGCGGACAGCCCTACCCTGTGCTGCGGGTGGCCCACTCCGC TCCAGTGGGTGCCCAACTTGCCACTGAGCTGAGCATCGCCGAGGGCCAGGAAGTACTATTTGGGGTCTTT GTGACTGGCAAGGATGGTGGTCCTGGCGTGGGCCCCAACTCTGTCGTCTGTGCCTTCCCCATTGACCTGC TGGACACACTAATTGATGAGGGTGTGGAGCGCTGTTGTGAATCCCCAGTCCATCCAGGCCTCCGGCGAGG CCTCGACTTCTTCCAGTCGCCCAGTTTTTGCCCCAACCCGCCTGGCCTGGAAGCCCTCAGCCCCAACACC AGCTGCCGCCACTTCCCTCTGCTGGTCAGTAGCAGCTTCTCACGTGTGGACCTATTCAATGGGCTGTTGG GACCAGTACAGGTCACTGCATTGTATGTGACACGCCTTGACAACGTCACAGTGGCACACATGGGCACAAT GGATGGGCGTATCCTGCAGGTGGAGCTGGTCAGGTCACTAAACTACTTGCTGTATGTGTCCAACTTCTCA

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Protein Sequence:

>RC235275 representing NM_001244937
Red=Cloning site Green=Tags(s)

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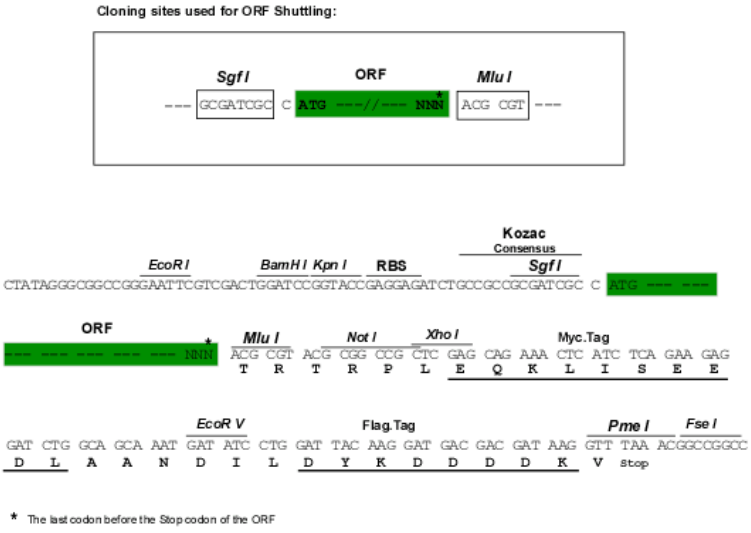
Restriction Sites: SgfI-MluI

Cloning Scheme:



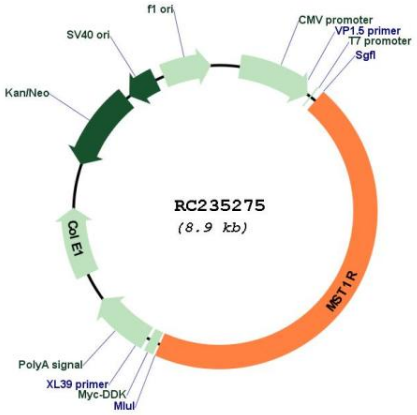
ACCN: NM_001244937

ORF Size: 4053 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_001244937.3
RefSeq Size:	4638 bp
RefSeq ORF:	4056 bp
Locus ID:	4486
UniProt ID:	Q04912
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane
MW:	147.7 kDa

Gene Summary: This gene encodes a cell surface receptor for macrophage-stimulating protein (MSP) with tyrosine kinase activity. The mature form of this protein is a heterodimer of disulfide-linked alpha and beta subunits, generated by proteolytic cleavage of a single-chain precursor. The beta subunit undergoes tyrosine phosphorylation upon stimulation by MSP. This protein is expressed on the ciliated epithelia of the mucociliary transport apparatus of the lung, and together with MSP, thought to be involved in host defense. Alternative splicing generates multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RC235275