

Product datasheet for MR201615

Ccdc115 (NM_027159) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

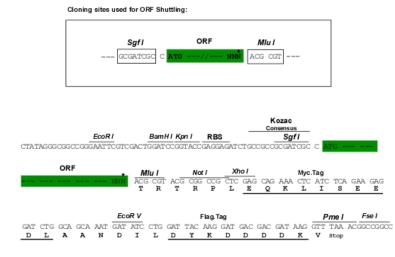
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Product Type:	Expression Plasmids
Product Name:	Ccdc115 (NM_027159) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc115
Synonyms:	2310061I09Rik; Ccp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR201615 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCGGTCCAGGCTCTGCGAGAGGAGTTGGACTCCAAGTGCCTACAGCTGCTCAGTGACCTGGAGGAAC TGGAGGCGAAGCGGGCGGCGCTGAACGCCAGGGTGGAGGAGGGTTGGCTCTCACTTGCCAAGGCTCGCTA TGCCATGGGAGCCAAGTCGGTAGGACCCCTGCAGTATGCCTCGCGTATGGAGCCTCAGGTCTGCGTGCG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>MR201615 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MAVQALREELDSKCLQLLSDLEELEAKRAALNARVEEGWLSLAKARYAMGAKSVGPLQYASRMEPQVCVR ASEAQDGPQTFRVIKADAQTPEEVGPSEASLRRRKGPTKTKELGSAVVPQDPLNWFGILVPHSLRQAQAS FRDGLQLAADIASLQTRINWGQSQLRGLQKKLKELDPGPA
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-Mlul



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Cloning Scheme:



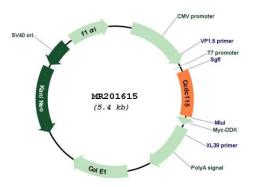
* The last codon before the Stop codon of the ORF

ACCN:	NM_027159
ORF Size:	543 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).
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 027159.2</u>
RefSeq Size:	1721 bp
RefSeq ORF:	543 bp
Locus ID:	69668
UniProt ID:	<u>Q8VE99</u>
Cytogenetics:	1 B

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MW:	19.7 kDa
Gene Summary:	Accessory component of the proton-transporting vacuolar (V)-ATPase protein pump involved in intracellular iron homeostasis. In aerobic conditions, required for intracellular iron homeostasis, thus triggering the activity of Fe(2+) prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation. Necessary for endolysosomal acidification and lysosomal degradation (By similarity). May be involved in Golgi homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201615

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