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Product datasheet for RC214134

CDON (NM_016952) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDON (NM_016952) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDON
Synonyms:	CDO; CDON1; HPE11; Ihog; ORCAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214134 representing NM_016952 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC214134 representing NM_016952
Red=Cloning site Green=Tags(s)

MHPDLGPLCTLLYVTLTILCSSVSSDLAPYFTSEPLSAVQKLGGPVVLHCSAQPVTTRISWLHNGKTLDG
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PRET

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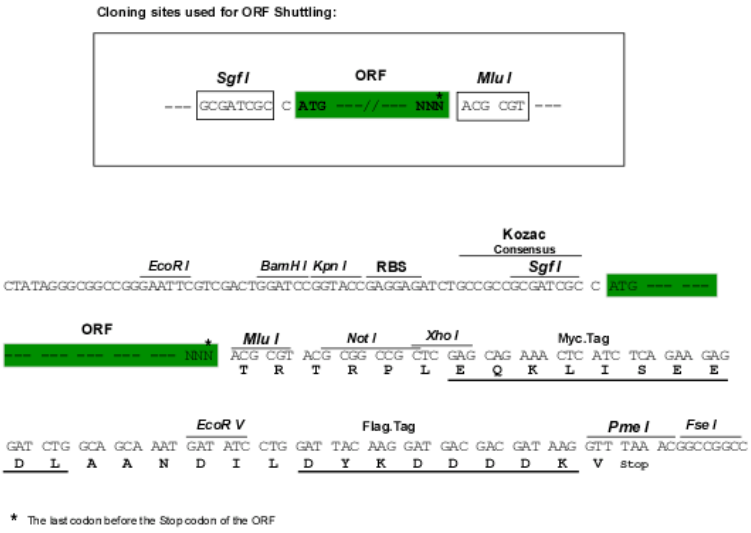
Chromatograms: https://cdn.origene.com/chromatograms/mk8009_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

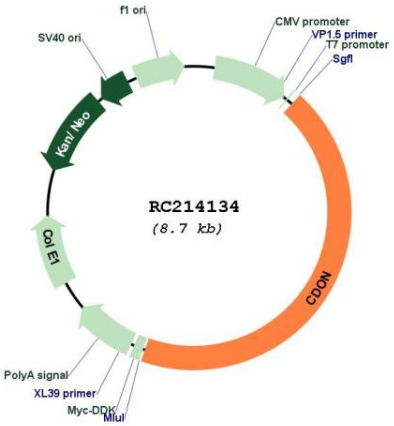


ACCN: NM_016952

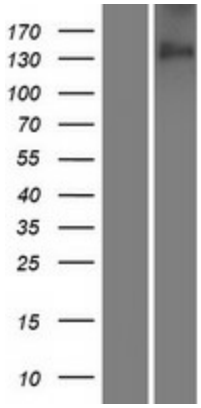
ORF Size: 3792 bp

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.
RefSeq:	NM_016952.5
RefSeq Size:	8044 bp
RefSeq ORF:	3795 bp
Locus ID:	50937
UniProt ID:	Q4KMG0
Cytogenetics:	11q24.2
Protein Families:	Transmembrane
MW:	136.3 kDa
Gene Summary:	This gene encodes a cell surface receptor that is a member of the immunoglobulin superfamily. The encoded protein contains three fibronectin type III domains and five immunoglobulin-like C2-type domains. This protein is a member of a cell-surface receptor complex that mediates cell-cell interactions between muscle precursor cells and positively regulates myogenesis. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC214134



Western blot validation of overexpression lysate (Cat# [LY413800]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214134 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).