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Product datasheet for RC213359

CD109 (NM_133493) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD109 (NM_133493) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD109
Synonyms:	CPAMD7; p180; r150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC213359 representing NM_133493
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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AAACGATTGAAGGAGTTAAGCTATATGGTAGTATCCAGGGGACAGTTGGTGGCTGTAGGAAAACAAAATT
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Protein Sequence:

>RC213359 representing NM_133493
Red=Cloning site Green=Tags(s)

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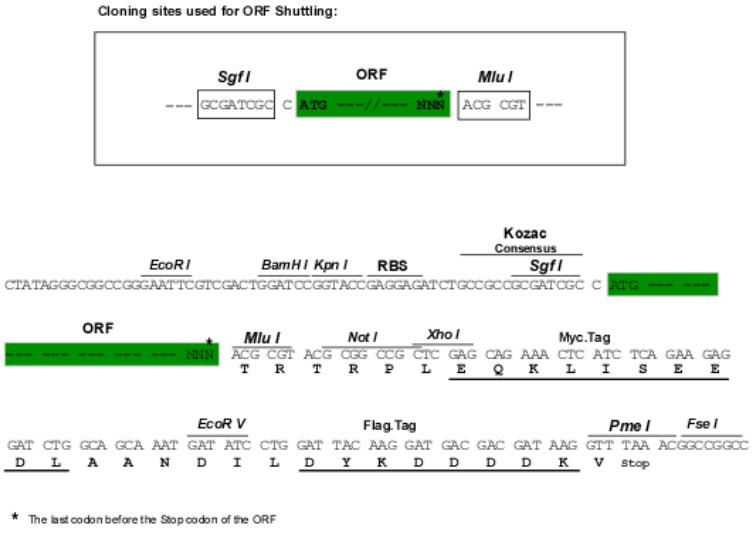
Chromatograms: https://cdn.origene.com/chromatograms/mg2859_f02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

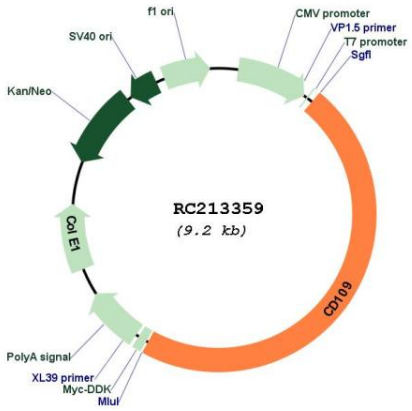


ACCN: NM_133493

ORF Size: 4335 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_133493.1, NP_598000.1
RefSeq Size:	5883 bp
RefSeq ORF:	4338 bp
Locus ID:	135228
UniProt ID:	Q6YHK3
Cytogenetics:	6q13
Domains:	A2M, A2M_N
MW:	159.6 kDa
Gene Summary:	This gene encodes a glycosyl phosphatidylinositol (GPI)-linked glycoprotein that localizes to the surface of platelets, activated T-cells, and endothelial cells. The protein binds to and negatively regulates signalling by transforming growth factor beta (TGF-beta). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RC213359