

# Product datasheet for RG213845

## CD96 (NM\_198196) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids							
Product Name:	CD96 (NM_198196) Human Tagged ORF Clone							
Tag:	TurboGFP							
Symbol:	CD96							
Synonyms:	TACTILE							
Mammalian Cell Selection:	Neomycin							
Vector:	pCMV6-AC-GFP (PS100010)							
E. coli Selection:	Ampicillin (100 ug/mL)							
<b>Restriction Sites:</b>	Sgfl-Mlul							
Cloning Scheme:	Cloning sites used for ORF Shuttling:							
	Sgfi ORF Miui							

Sg11 ORF Miu I ---- GCGATOGC C ATG ---- NDAT ACG CGT ----Kozac

										Cor	isensu	\$				
	EcoR I		BamH		II Kpr	11	RBS				Sgfl		Asc /			
CTATAGGGCGG	CCGGGAA	TTCGTC	GACTO	GAT	CCGG	TACCO	SAGG	AGATO	TGC	CGCCC	CGA	rcgco	GGC	GCGC	CAGA	TCT
Hind III	Nhe I	Rsr II	M	lu I		N	otl	x	ho I			GFP T	ag			
CAAGCTTAACT	AGCTAGC	GGACCG	ACG	CGT	ACG	CGG	CCG	CTC	GAG	ATG	GAG	AGC	GAC			
			т	R	т	R	P	L	E	м	E	S	D	-	-	-

---- GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT - - E E R V Stop

 ACCN:
 NM\_198196

 ORF Size:
 1755 bp



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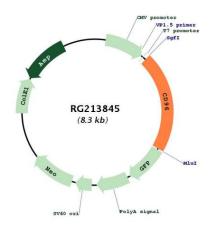
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OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate 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 <u>custsupport@origene.com</u> 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. <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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 198196.1, NP 937839.1</u>
RefSeq Size:	4561 bp
RefSeq ORF:	1758 bp
Locus ID:	10225
UniProt ID:	<u>P40200</u>
Cytogenetics:	3q13.13-q13.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene belongs to the immunoglobulin superfamily. It is a type I membrane protein. The protein may play a role in the adhesive interactions of activated T and NK cells during the late phase of the immune response. It may also function in antigen presentation. Alternative splicing generates multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jan 2016]

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## **Product images:**



Circular map for RG213845

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