

# Product datasheet for RG236174

# CD99 (NM\_001277710) Human Tagged ORF Clone

## **Product data:**

#### OriGene Technologies, Inc.

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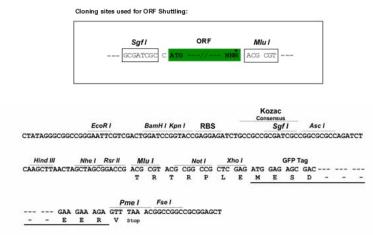
Product Type:	Expression Plasmids
Product Name:	CD99 (NM_001277710) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD99
Synonyms:	HBA71; MIC2; MIC2X; MIC2Y; MSK5X
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RG236174 representing NM_001277710. Blue=ORF Red=Cloning site Green=Tag(s)</pre>
	GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGCGCGCGCCCCATGGCCCGCGGGGCTGCGCTGCTGCTGCTGCTCTTCGGCCTGCTG
Protein Sequence:	<pre>&gt;Peptide sequence encoded by RG236174 Blue=ORF Red=Cloning site Green=Tag(s)</pre>
	MARGAALALLLFGLLGVLVAAPDGGFDLSDALPDNENKKPTAIPKKPSAGDDFDLGDAVVDGENDDPRP PNPPKPMPNPNHPSSSGSFSDADLADGVSGGEGKGGSDGGGSHRKEGEEADAPGVIPGIVGAVVVAV AGAISSFIAYQKKKLCFKENDG TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
<b>Restriction Sites:</b>	Sgfl-Mlul



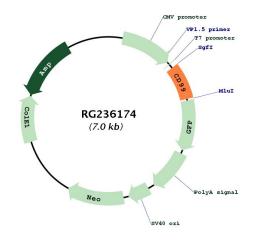
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## **Cloning Scheme:**



### Plasmid Map:



ACCN:	NM_001277710
ORF Size:	480 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.

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	CD99 (NM_001277710) Human Tagged ORF Clone – RG236174
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).
RefSeq:	<u>NM 001277710.1, NP 001264639.1</u>
RefSeq Size:	1270 bp
RefSeq ORF:	483 bp
Locus ID:	4267
Cytogenetics:	X;Y
Protein Families:	Druggable Genome, Transmembrane
Protein Pathway	s: Cell adhesion molecules (CAMs), Leukocyte transendothelial migration
MW:	16.5 kDa
Gene Summary:	The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus. [provided by RefSeq, Mar 2016]

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