

# Product datasheet for MG200107

## Cd24a (NM\_009846) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

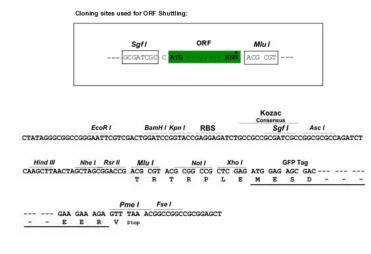
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	Cd24a (NM_009846) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd24a
Synonyms:	Cd24; HSA; Ly-52; nectadrin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG200107 representing NM_009846 Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGGCAGAGCGATGGTGGCCAGGCTAGGGCTGGGGTTGCTGCTTCTGGCACTGCTCCTACCCACGCAGA TTTACTGCAACCAAACATCTGTTGCACCGTTTCCCGGTAACCAGAATATTTCTGCTTCCCCAAATCCAAG TAACGCTACCACCAGAGGGGGGTGGCAGCTCCCTGCAGTCCACAGCTGGTCTCCTGGCTCTCTCT
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>MG200107 representing NM_009846 <mark>Red</mark> =Cloning site Green=Tags(s)
	MGRAMVARLGLGLLLLALLLPTQIYCNQTSVAPFPGNQNISASPNPSNATTRGGGSSLQSTAGLLALSLS LLHLYC
	TRTRPLE - GFP Tag - V
Restriction Sites:	Sgfl-Mlul

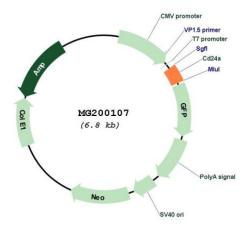


This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

#### **Cloning Scheme:**



Plasmid Map:



ACCN:	
ORF Size:	

NM\_009846

### 228 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>

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

<b>Cd24a</b>	(NM_009846) Mouse Tagged ORF Clone – MG200107
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 009846.2, NP 033976.1</u>
RefSeq Size:	1825 bp
RefSeq ORF:	231 bp
Locus ID:	12484
UniProt ID:	<u>P24807</u>
Cytogenetics:	10 23.01 cM
Gene Summary:	May have a pivotal role in cell differentiation of different cell types. May have a specific role in early thymocyte development. Signaling could be triggered by the binding of a lectin-like ligand to the CD24 carbohydrates, and transduced by the release of second messengers derived from the GPI-anchor. Modulates B-cell activation responses (By similarity). In association with SIGLEC10 may be involved in the selective suppression of the immune response to danger-associated molecular patterns (DAMPs) such as HMGB1, HSP70 and HSP90 (PubMed:19264983). Plays a role in the control of autoimmunity (PubMed:20200274). [UniProtKB/Swiss-Prot Function]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US