

Product datasheet for **MG200107**

Cd24a (NM_009846) Mouse Tagged ORF Clone

Product data:

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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAGAGCGATGGTGGCCAGGCTAGGGCTGGGGTTGCTGCTTCTGGCACTGCTCTACCCACGCAGA
TTTACTGCAACCAACATCTGTTGCACCGTTTCCCGTAACCAGAATATTCTGTTCCCAATCCAAG
TAACGCTACCACCAGAGGGGTGGCAGCTCCCTGCAGTCCACAGCTGGTCTCTGGCTCTCTCTCTCT
CTTCTACATCTACTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200107 representing NM_009846
Red=Cloning site Green=Tags(s)
MGRAMVARLGLLLLLLLLLPTQIYCNQTSVAPFPGNQNISASPNSNATRRGGSSLQSTAGLLALSLS
LLHLYC

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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 style="list-style-type: none">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_009846.2 , NP_033976.1
RefSeq Size:	1825 bp
RefSeq ORF:	231 bp
Locus ID:	12484
UniProt ID:	P24807
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]