

Product datasheet for **RG235506**

CD24 (NM_001291738) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD24 (NM_001291738) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CD24
Synonyms: CD24A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235506 representing NM_001291738.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCAGAGCAATGGTGGCCAGGCTCGGGCTGGGGCTGCTGCTGCTGGCACTGCTCCTACCCACGCAG
ATTTATTCCAGTGAAACAACAACCTGGAACCTCAAGTAACCTCCAGAGTACTTCCAACCTCTGGGTTG
GCCCAAATCCAATAATGCCACCACCAAGGCGGCTGGTGGTGCCTGCAGTCAACAGCCAGTCTCTTC
GTGGTCTACTCTCTCTCTGCATCTACTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG235506
Blue=ORF Red=Cloning site Green=Tag(s)

MGRAMVARLGLLLLLLLLLPTQIYSSETTTGTSSNSSQSTSNSGLAPNPTNATKAAGGALQSTASLF
VVSLSLLHLYS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRFSLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

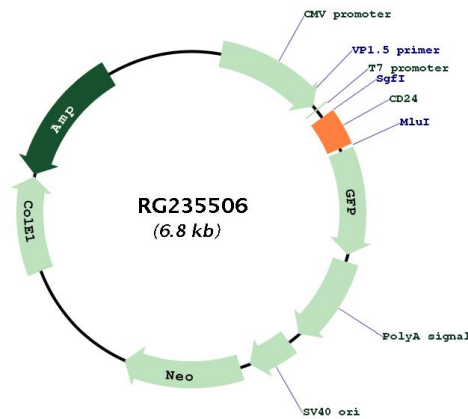
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001291738

ORF Size: 240 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).
RefSeq:	NM_001291738.1 , NP_001278667.1
RefSeq Size:	2295 bp
RefSeq ORF:	243 bp
Locus ID:	100133941
UniProt ID:	P25063
Cytogenetics:	6q21
MW:	8.1 kDa
Gene Summary:	This gene encodes a sialoglycoprotein that is expressed on mature granulocytes and B cells and modulates growth and differentiation signals to these cells. The precursor protein is cleaved to a short 32 amino acid mature peptide which is anchored via a glycosyl phosphatidylinositol (GPI) link to the cell surface. This gene was missing from previous genome assemblies, but is properly located on chromosome 6. Non-transcribed pseudogenes have been designated on chromosomes 1, 15, 20, and Y. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]