

Product datasheet for **SC325578**

CD164 (NM_001142403) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD164 (NM_001142403) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD164
Synonyms:	DFNA66; endolyn; MGC-24; MGC-24v; MUC-24
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001142403, the custom clone sequence may differ by one or more nucleotides ATGTCGCGGCTCTCCCGCTCACTGCTTTGGGCCGCCACCTGCCTGGGCGTGCTCTGCGTG CTGTCCGCGGACAAGAACACGACCCAGCACCCGAACGTGACGACTTTAGCGCCATCTCC AACGTAACCTCGGCGCCGGTGACGTCCCTCCCGCTGGTCACTCCGGCACCAGAAACC TGTGAAGGTCGAAACAGCTGCGTTTCCTGTTTTAATGTTAGCGTTGTTAATACTACTGTC TTTTGGATAGAATGTAAGATGAGAGCTATTGTTACATAACTCAACAGTTAGTGATTGT CAAGTGGGGAACACGACAGACTTCTGTTCCGTTTCCACGGCCACTCCAGTGCCAACAGCC AATTCTACAGCTAAACCCACAGTTCAGCCCTCCCCTTCTACAACCTCCAAGACAGTTACT ACATCAGGTACAACAAATAACACTGTGACTCCAACCTCACAACCTGTGCGAAAGTCTACC TTTGATGCAGCCAGTTTCATTGGAGGAATTGTCCTGGTCTTGAAATAAGATGCCACACA AGGAACTACATTCCAGATTTAAAGAAA
Restriction Sites:	Please inquire
ACCN:	NM_001142403
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



[View online »](#)

Reconstitution Method:

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_001142403.1](#), [NP_001135875.1](#)

RefSeq Size: 2532 bp

RefSeq ORF: 570 bp

Locus ID: 8763

UniProt ID: [Q04900](#)

Cytogenetics: 6q21

Protein Families: Secreted Protein, Transmembrane

Protein Pathways: Lysosome

Gene Summary: This gene encodes a transmembrane sialomucin and cell adhesion molecule that regulates the proliferation, adhesion and migration of hematopoietic progenitor cells. The encoded protein also interacts with the C-X-C chemokine receptor type 4 and may regulate muscle development. Elevated expression of this gene has been observed in human patients with Sezary syndrome, a type of blood cancer, and a mutation in this gene may be associated with impaired hearing. [provided by RefSeq, Oct 2016]
Transcript Variant: This variant (4) uses alternate splice sites in the 3' coding region, compared to variant 1. It encodes isoform 4 which is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.