

Product datasheet for **SC108077**

CD164 (NM_006016) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD164 (NM_006016) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD164
Synonyms:	DFNA66; endolyn; MGC-24; MGC-24v; MUC-24
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108077 sequence for NM_006016 edited (data generated by NextGen Sequencing)

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ATGTCGCGGCTCTCCGCTCACTGCTTTGGCCGCCACCTGCCTGGGCGTCTCTGCGTG
CTGTCCGCGGACAAGAACACGACCCAGCACCCGAACGTGACGACTTTAGCGCCATCTCC
AACGTAACCTCGGCGCCGGTGACGTCCCTCCCGCTGGTCACCACTCCGGCACCAGAAACC
TGTGAAGGTCGAAACAGCTGCGTTTCTGTTTTAATGTTAGCGTTGTTAACTACTCTGC
TTTTGGATAGAATGTAAGATGAGAGCTATTGTTACATAAACAAGTTAGTGATTGT
CAAGTGGGGAACACGACAGACTTCTGTTCCGTTTCCACGGCCACTCCAGTGCCAACAGCC
AATTCTACAGCTAAACCCACAGTTCAGCCCTCCCTTCTACAACCTCCAAGACAGTTACT
ACATCAGGTACAACAAATAACACTGTGACTCCAACCTCACAACCTGTGCGAAAGTCTACC
TTTGATGCAGCCAGTTTCATTGGAGGAATTGCCTGGTCTTGGGTGTGCAGGCTGTAATT
TTCTTTCTTTATAAATTCTGCAAATCTAAAGAACGAAATTACCACACTCTGTAA
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Clone variation with respect to NM_006016.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006016 unedited GCATATTTGTATACGACTTCACTATANNGGCGGCCGNAATTCGGCACGAGGGCGTTGC GAGCCTTAGCTTCTCCCGAACGCCAGCGCTGAGGACACGATGTCGCGGCTCTCCCGCTC ACTGCTTTGGGCCGCCACCTGCCTGGGCGTGCTGCTGCTGCTCCGCGGACAAGAACAC GACCCAGCACCCGAACGTGACGACTTTAGCGCCATCTCCAACGTAACCTCGGCGCCGTG GACGTCCTCCCGCTGGTCACCACTCCGGCACCAGAAACCTGTGAAGTGCAGAACAGCTG CGTTTCCCTGTTTTAATGTTAGCTTGTAACTACTACCTGCTTTTGGATAGAAATGTAAGA TGAGAGCTATTGTTACATAAACAACAGTTAGTGATTGCAAGTGGGGAACACGACAGAGA CTTCTGTTCCGTTTCCACGGCCACTCCAGTGCCAACAGCCAATTCTACAGCTAAACCCAC AGTTCAGCCCTCCCTTCTACAACCTTCCAGACAGTTACTACATCAGGTACAACAATAA CACTGTGACTCCAACCTCACAACCTGTGCGAAAGTCTACCTTTGATGCAGCCAGTTTCAT TGGAGGAATTGCTCTGGTCTTGGGTGTGCAGGCTGTAATTTTCTTTATAAATCCTG CCAATCCTAAGAACGAAATTACCACACTCTGTAACAGACCCATTGAATTAATAAGGACT GGTGATTCATTCTGTAACTCACTGGAGCCAAAATACTATCTTCTTAAGATGTCCACAT GGAAGACGCTCATTCCAGGACCTTTTAAATTTCCCATGAATGCATATAGGGATGGCTCGG GAGCCTAATCCGTGAAGAAACAATCACATTAATCTTTGTGGTCCACAGGGATATTTATA AAATCTCTGCATTGAAACCTGTGCGCTGGGCTATTTTACAAAGCCGCTGCCTGGGGAT ATTATTTTTTTTCT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006016 unedited NNNCCCACCCACCCACCCNCACCCACACCCCATATTTGACTTTGGNACCGCGGCCGC ATNCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCAAAAACATGT AAATTTATTTAAGTCAGTTGGGTCCATGATACAAATGGGTTTTTGCAGTTTTTAATGAAC TGAAATAAAAATGTCTAAATCCAGCAGTATCTGCCTGTGCAACAAATATTTGTAGGGTAA AATAGGGTTTTTGATAAAAAACATCTGCAAAACCAAATCAGATGAAAAATCTGAAAGGG TTTCTATATACCTTCTGGATTTTAAAAAACCCAAAAATTAAGGGCTCAAGATCCTACAT TGCTAAAGTTAGGGGAAAAAGTAAAAAGGCTGTGAGTTCTGTTGCAAGAGCTCATTGTG AACTTGCAAAATCTAACTAATTTTATATTATGCTTGTGTTAAAGCAGGGCTCAAAATT ACAGAAGCTTCAAATTGTTATGTTTTACAAAAATTTGCTACATATGTTGACATGAATGTG TGTGAGGAATTCATACCCAGGTAAGGACAATTACATCAGTATAGCTAATTTTTGCCAC CTTGGGAGGAATGGAATTCTGCCTATTTTCGAATTAATCTACAGCACTACTAAAAAAT AACAGCCATGGCACCATAATACATTTTGTGAGGTACCTAGAATATTACTAATGGAACA AAATGTGAGGTAACCGACCTTTCCCCAGAACTTTGAGCCAGAGATTTTAACCAATTA GGGCCCTTGAAAACATTAAGTTTATGGCCCAATTGTGCAGGTTAAAAACAACCGTTGTCC CAACGGGTCAAAAGAACCAGTAATTTTTCATTTTAAACAACCTTAAATAGTTATCTAATG CACAGTTTGTATGAAATGACCCAAAGCAGTTGTCTTTTCTACTTTAAATTTGGAAAA AC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006016
Insert Size:	3090 bp
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).
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:

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_006016.3](#), [NP_006007.2](#)

RefSeq Size: 3026 bp

RefSeq ORF: 594 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 (1) represents the longest transcript and encodes the longest 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.