

Product datasheet for **RC226592**

CD164 (NM_001142401) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD164 (NM_001142401) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CD164
Synonyms: DFNA66; endolyn; MGC-24; MGC-24v; MUC-24
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC226592 representing NM_001142401
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGCGGGCTCTCCCGCTCACTGCTTTGGGCCGCCACCTGCCTGGGCGTGCTCTGCGTGCTGTCCGGG
ACAAGAACACGACCCAGCACCCGAACGTGACGACTTTAGCGCCATCTCCAACGTAACCTCGGCGCCGGT
GACGTCCTCCCGCTGGTCACCACTCCGGCACCAGAACTGTGAAGGTGAAACAGCTGCGTTTCTGT
TTAATGTTAGCGTTGTTAATACTACCTGCTTTGGATAGAATGTAAGATGAGAGCTATTGTTACATA
ACTCAACAGTTAGTGATTGTCAAGTGGGAACACGACAGACTTCTGTTCCGCTAAACCCACAGTTCAGCC
CTCCCCTTCTACAACCTCCAAGACAGTTACTACATCAGGTACAACAAATAACACTGTGACTCCAACCTCA
CAACCTGTGCGAAAGTCTACCTTTGATGCAGCCAGTTTCATTGGAGGAATTGTCCTGGTCTTGGGTGTC
AGGCTGTAATTTCTTTCTTTATAAATTCTGCAAATCTAAGAACGAAATTACCACACTCG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226592 representing NM_001142401
Red=Cloning site Green=Tags(s)

MSRLSRLLWAATCLGVLCVLSADKNTTQHPNVTTLAPISNVTSAPVTSPLPLVTPPETCEGRNSCVSC
FNVSVVNTTCFWIECKDESYCSHNSTVSDCQVGNNTDFCSAKPTVQSPSTTSKVTTSMTNNTVTPTS
QPVKRSTFDAASFIGGIIVLVGVQAVIFFLYKFCKSKERNYHTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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:	<u>NM_001142401.2</u>
RefSeq ORF:	555 bp
Locus ID:	8763
UniProt ID:	<u>Q04900</u>
Cytogenetics:	6q21
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	Lysosome
MW:	19.5 kDa
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]