

Product datasheet for **MR220313**

Col28a1 (NM_001037865) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col28a1 (NM_001037865) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Col28a1
Synonyms:	Col28; Gm466
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220313 representing NM_001037865 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGAGAAGAGACGTTGCCTTCTGTCTTCTGCTTTTGCCAGCTTTTATGACTCAAGCAGTGTATGGAC
 AAAGAAAGAAAGGACCAAAGCCAAACACACTTGCAAGGAAAAATGACTTCCAGGATGCCATTTGCTTCAT
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 CAGCCCTTCAGTTTAGCAGCTCGGTCCAGATTGATCCACCCTTGCTTCTTGAAGGATCTCCGGACATT
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CCTAGAGGACCAATGGGCATTGGAGTACAGGGTCCAAAGGGGGAGCCAGGCACAGTGGGGCTCCCAGGAC
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Protein Sequence: >MR220313 representing NM_001037865
 Red=Cloning site Green=Tags(s)

MRRRDVAFCLLLPAFMTQAVYGQRKKGPKPNTLARKNDFQDAICFIDVVFILDSSSESSKIVLFDNQKDF
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 TRLLKREGRKDGKVALMLTDGIDHPKSPDVQSI SEDARILGISFITVGLSTVVNEAKLRLISGDPSNEP
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 EATNTLEPLLSSREGVETRTPNPNLLQSEKSLYKDPREEALKPGECGDYVVRWYDKQVNSCARFWFSG
 CNGSGNRFHSEKRETCIKQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9103_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

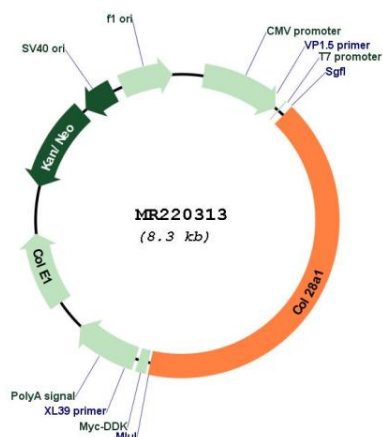


ACCN: NM_001037865

ORF Size: 3423 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001037865.1 , NP_001032954.1
RefSeq Size:	4230 bp
RefSeq ORF:	3426 bp
Locus ID:	213945
UniProt ID:	Q2UY11
Cytogenetics:	6 A1
MW:	118.7 kDa
Gene Summary:	May act as a cell-binding protein.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220313