

Product datasheet for **RR214893**

Col4a3bp (NM_001108935) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col4a3bp (NM_001108935) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Col4a3bp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214893 representing NM_001108935
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGATAACACAGAGCTGGAACCTCGTCGGGCTCGGAGGAGGATCCGGAGACAGAGTCCGGGCCGCTG
 TGGAGCGCTGCGGAGTCCTCAGCAAGTGGACAACTATATTCATGGGTGGCAGGATCGTTGGGTTGTTTT
 GAAAAATAACTTTGAGTTACTACAACTCGAAGATGAAACAGAATATGGCTGTAGGGATCCATCTGT
 CTAAGCAAGGCTGTGATCACGCCTCATGACTTTGATGAATGCCGGTTTGATATTAGTGTGAATGATAGTG
 TTTGGTATCTTCGTGCTCAGGACCCAGATCATAGACAGCAGTGGGTAGACGCCATTGAGCAGCACAAGAC
 TGAATCAGGATATGGATCTGAGTCCAGCTTGCCTAGACATGGCTCAATGGTGTCACTGGTGTCTGGAGCA
 AGTGGCTATTCTGCTACGTCCACATCTTCATTCAAGAAAGGCCACAGTTTACGTGAGAAGTTGGCTGAAA
 TGGAAACCTTTAGAGACATCCTGTGTAGGCAGGTTGATACTCTGCAGAAGTACTTTGATGTCTGTGCTGA
 TGCTGTCTCCAAGGATGAACTTCAAAGGATAAAGTGGTGAAGACGATGAAGATGACTTCCCTACAAC
 CGCTCTGATGGAGACTTCTTGCACAATACCAATGGTAATAAGGAAAAATTATTTCCACATGTAACACCAA
 AAGGAATTAATGGCATAGACTTTAAGGGGAAGCAATAACTTTTAAAGCAACTACTGCTGGCATCCTTGC
 TACACTGTCTCATTGTATTGAACTGATGGTAAAACCGCAAGAAAGCTGGCAAAAAAGGCATGATAGGGAA
 GTGGAAAAGCGGAGACGAGTAGAGGAAGCATACAAGAAATGTGACGGAGGAACCTAAGAAGAAACCTCGCT
 TCGGAGGGCCAGACTATGAAGAAGGTCCAAACAGTCTGATTAATGAGGAAGAGTTCTTTGATGCTGTTGA
 AGCTGCTCTTGACAGACAAGATAAAATAGAGGAACAGTCACAGAGTAAAAGGTGAGTTTACTGGCCT
 CCGTCAATGCCATCTGGAGATACCTTTTCTTCAGTTGGGACTCACAGATTCGTACAAAAGCCCTATAGTC
 GCTCTCCCTCCATGTCTCCATTGATCTAGTCAGTGCCTCTGACGATGCCACAGATTGATCCAGGTT
 TGAAGAGATGGTACAGAACCACATGAATTATTCATTACAGGATGTAGGTGGTGTGCAAAATGGCAGCTG
 GTTGTAGAAGAAGGAGAAATGAAGGTGTACAGAAGAGAAGTTGAAGAAAATGGAATCGTTCTGGATCCTT
 TGAAAGCTACTCATGCAGTTAAAGGTGTTACAGGACACGAGGCTGCAATTACTTTTGGAAATGTTGATGT
 TCGCAATGACTGGGAACTACTATAGAAAACCTTTCATGTGGTGGAAACATTAGCTGATAATGCAATCATC
 ATTTATCAAACGCACAAGAGAGTGTGGCCCGCTTCTCAGAGAGACGTGCTGTATCTTTCTGCTATTCGGA
 AGATCCCAGCCTTGACTGAGAACGACCCTGAGACTTGGATAGTTTGTAAATTTCTGTGGACCATGACAG
 TGCTCCTCTGAACAATCGATGTGTCGTGCCAAAATCAATATTGCTTTGATTTGTCAAACCTTTGGTAAGC
 CCACCAGAGGGAGACCAGGAGATAAGCAGAGACAACATCTGTGCAAGATTACATATGTAGCTAATGTGA
 ACCCAGGAGGATGGGCGCCAGCCTCGGTGTTAAGAGCAGTGGCAAGCGAGAATACCTAAGTTTCTAAA
 ACGATTTACTTCTATGTCCAAGAAAAACTGCAGGAAAACCAATTTTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214893 representing NM_001108935
 Red=Cloning site Green=Tags(s)

MSDNQSWNSSGSEEDPETESGPPVERCGVL SKWTNYIHGWQDRWVVLKNNTLSYYKSEDETEYGCGRGSIC
 LSKAVITPHDFDECRFDISVNDVWYLRQDPDRHQWVDAIEQHKTESGYGSESSLRRHGSMVSLVSGA
 SGYSATSTSSFKKGHSLREKLAEMETFRDILCRQVDTLQKYFDVCADAVSKDELQRDKVVEDDEDDFPTT
 RSDGDFLHNTNGNKEKLFPHVTPKGINIDFKGEAITFKATTAGILATLSHCIELMVKREESWQKRHDRE
 VEKRRRVEEAYKNVTEELKKKPRFGPDYEEGPNSLINEEEFFDAVEAALDRQDKIEEQSQSEKVRHLWP
 PSLPSGDTFSSVGTHRFVQKPYRSPMSIDLVSASDDVHRFSSQVEEMVQNHMNYSLQDVGGDANWQL
 VVEEGEMKVYRREVEENGIVLDPLKATHAVKGVTEHEVCNYFWNVVDRNDWETT IENFHVVETLADNAII
 IYQTHKRVWPASQRDVL YLSAIRKIPALTENDPETWIVCNF SVDHDSAPLNNRCVRKINIALICQTLVS
 PPEGDQEISRDNILCKITYVANVNPGGWAPASVLRVAVAKREYKPKFLKRFYSYVQEKTAGKPIILF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001108935

ORF Size: 1872 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.

RefSeq: [NM_001108935.1](#), [NP_001102405.1](#)

RefSeq Size: 5336 bp

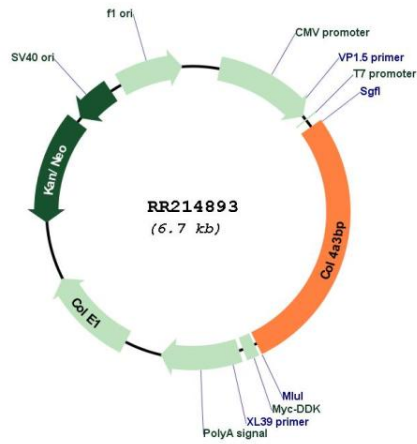
RefSeq ORF: 1875 bp

Locus ID: 365652

Cytogenetics: 2q12

MW: 71.1 kDa

Product images:



Circular map for RR214893