

Product datasheet for MC224757

Col22a1 (NM_027174) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col22a1 (NM_027174) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col22a1
Synonyms:	2310067L16Rik; C80743
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224757 representing NM_027174 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCTGTCTTCACGAGCAGGAGAGCCATGGCTGTCCCCAGAGGGAATCCTTTGGCCTGTCTTCTGTGGA
TTCTACTGCTCTGGGAGGGGATGGTGGCTGCCAGGCCAACGTGCAGGTTGCAAAAGTGCAGTATGA
TCTGGTCTTCTCTGGACACGTCTTCTAGTGTGGCAAGGAGGACTTTGAGAAAGTCCGCCAGTGGGT
GCCAACCTGGTAGACACCTTTGAGGTGGGCCCTGGCCACACCCGTGTGGGGTTGTGCGCTACAGTGACC
GGCCCACTACAGCCTTTGAAGTGGGCCACTTCAACTCTCGCAGGAGGTGAAGGCAGCTGCGCGGCGCAT
CACCTACCATGGCGGTAACACGAACACGGGTGACGCCCTGCGTTATATCACCAGCCGAGCTTCTCCGCC
CAGGCCGCGGCAGACCTGGGAATCGTGCTTCAAGCAGGTGGCCATCCTGTTGACTGATGGTCTGAGCC
AAGACCTGGTGTGGATGCTGCAGCAGCTGCCATGCAGCCGGCATCCGCATTTTGTGTTGGTGTGGG
TGCAGCATTGAAGGAGGAAGTGGATGAGATTGCCTCAGAACCAAGTCTGCGCATGTCTTCCATGTTTCC
GACTTCAATGCCATTGACAAGATCCGTGGCAAGCTGAGGCGTCGGCTTTGTGAAATGTGCTCTGCCCAA
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GATGGATTTGTTCAAGTGTGAAGGAAATCTTGGGAAGAGAGAAACGGAGCCAGAGTTCTATGTACGG
ATGGGTTCCCTTCCCTGTGGTGCAGAGAACTGAAGATGTGTTTCCCAAGTCTTCTGATGAGTATGCCT
TTGTCACAACTTTCCGGTTCCGGAAAACATCACGGAAGAAGATTGGTACATCTGGCAAGTCATTGACCA
GTATGGCATCCCACAGGTCTCTATCCGGCTGGATGGTGAACAAGGAGTTGAGTACAACGCTGTGGGT
GCCATGAAGGATGCTGTCCGGTGGTCTTCCGAGGCCCGAGTTGATGACCTCTTGACCGTGACTGGC
ACAAGATGGCTCTAAGCATCCAGGCCAGAATGTGTCCTCTACATTGACTGTTTGTGTTTCAAGCGCT
GCCTATTGAGGAGAGGAGAATATCGACATCCAGGCAAGACTGTGATTGGCAAACGTCTCTATGACAGC
GTTCCCATTTGTTTACCTGCAGCGGATTGTGATTTACTGTGACTCGAGACATGCAGAACTGGAGACTT
GCTGTGACATCCCGTTGGGTCCGTGTAGGTGACTGTGGTGACAGAGCCGCCACCTGCGCTCCACAGCT
GCCACCCCTGGGAGCGAACAGATCGGGTCTTGAAGACCATCAACTGCTCATGCCCTCTGGAGAAAAG



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GGTGAGAGGGGCTTTGCTGGCCCTCTGGGACTCCCTGGTCAGAAGGGAGATGCAGGACCCATTGGACTAA
 TGGGTGCTCCTGGACCAAGGGAGAAAAAGGAGACAGTGGACGAGGACCATTCATCCATGGGGAAAAAGG
 TGAGAAGGGATCCCTGGGCCACCTGGGCCCTTGGAAGAGACGGCAGTAAAGGCATGAGAGGAGAGCCA
 GGAGAGCTAGGAGAGCCAGGGCTGCCTGGAGAAGTGGGCATGAGGGGGCCCCAGGGACCTCCTGGACTAC
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 GCTCTGTGGTGCAGAGGGAAGGCCTGAAGGGAGAGCAGGGAGCCCCGGACCAAGAGGTACCAAGGCCT
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 GACCACCCGGTGTTCAGGGCCCCCTGGACCTGGAGGACCCCGGGTTTACCTGGCGAGCTCGGCTTCCC
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 CCTGGCTCCAAGGGAGAACCAGGAGACTCTGGCGAAAGTGGCGTACCTGGAATGCCAGGACCTCGGGGTG
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 GGTGCCCCGAGGAGAAAAGGGTGAGGTTGGTCCAGCAGGTCCCCCTGGCTTACCTGGAAGTCCATCAGTGT
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 GCTCCTGGTCTCCAGGGCCACCAGGAAAGGGCAAGGATGGGGAGCCGGGACTACGTGGACCACCTGGGT
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 TGACCCAGGCATTGGGGTTGCTGGTCCACCTGGTCCCTCAGGACGACCAGGAGATAAAGGACCCCGGGA
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 GAGAAAGAGGGCCTCCTGGAACACAGGCCCTTCTTCACTGCTGTCTCCAGAGGACATAAATCTCTTAGT
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 AAGGGTCTTCCAGGAAACAAGGGAGAGAGGGGACAGAAGGCAAAAAGGGAGATACCGGGCCTCCAGGCC
 CCCCTGGGCCTCCAGGAGTAGCTGGACCACAGGGAAGCCAAGGAGAACGTGGTGCAGAGGGTGAGGTGGG
 ACAGAAAGGTGAACAGGGTCAACCTGGAGTTCCAGGCTTCATGGGCCACCGGGGAATCCTGGGCCACCA
 GGAGCAGATGGGAATGCAGGTGTGGCGGGGCCACCAGGACCTCAAGGGCCTCAGGGCAAGAAGGCCCTC
 CTGGTCCCAAGGTCCATCTGGCATCCCAGGAGTCCCAGGAGAAGAAGGCAAGCAGGGCAGAGATGGAAA
 GCCAGGTCCCCCTGGAGAACCGGGCAAGACAGGAGAGCCAGGCCTATCAGGAGCAGAGGGAGCCAGAGGT
 CCACCGGGCTTCAAGGGACACACAGGTGATCCTGGCCACCTGGTCTGAGGGGAGAACCTGGCATAGCAG
 GACCTCTGGAAGGGATGGATCACCAAGGAAAAGATGGTGACACTGGACCTGCTGGACCACAGGGTCCAG
 AGGAACAAGGGGACCACCGGCAGCAGTGGATCACCTGGATCTCCAGGAGACCCTGGCCGTCCGGGAGCC
 CTAGGCCAGAAGGGAAACAAGGAGAAAGTGGCAGCCAGGACTTCCAGGGTTTCAGGGTCTCGTGGAC
 CTCCAGGAGAAGCAGGAGAGGTAGGAGCTCCAGGAAAGGAGGGTGCTCCTGGGAAGCCTGGAGAGCCAGG
 ATCCAAAGGCGAGAGGGGAGACCCTGGGATCAAAGGTGACAAAGGACCACCAGGTGGGAAGGGTCAAGCT
 GGAGACCCTGGAACCCAGGCCACAAGGGTCACTAGGCTAATGGGTCCCCAAGGACAACCAGGAGAGA
 GTGGCCCTCCTGGGCCCCAGGGCCACCTGGCCAGCCAGGATTTCCAGGACTGAGGGGGAGTCTCCATC
 CATGGACACCTTACGGCGCCTATTACAGGAAGAGCTTGGGAAGCAGCTAGAAGCTAAACTTGCTACCTC
 CTAGCCCAGATGCCTCCAGCACACATGAAGTCTCTCAAGGCAGACCCGACCTCCTGGACCCCTGGAA
 AAGATGGGCTGCCAGGTGCGACAGGCCCATGGGTGAGCCAGGCCGTCTGGCCAAGGTGGTCTGGAAGG
 ACCCTCTGGACCAATGGGCCCCAAAGGTGAAAGAGGAGCCAAAGGTGACCCTGGCACACCTGGAGTTGGT
 CTCCGAGGAGAGATGGGTCTCCTGGAATACCAGGCCAACCTGGGGAACCTGGATACGCTAAAGATGGAC
 TTCCAGGAAGCCCTGGTCTCAAGGAGAGACAGGACTAGCTGGACATCCTGGCCCTCCTGGTCTCCTGG
 CCCACCTGGCCTGTGTGACCCCTCCAGTGTGCGTACTTGCCAGCCTGCTGCCCGCCAAGTAATGTG
 AAGGGCCCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_027174
Insert Size:	4842 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_027174.1 , NP_081450.1
RefSeq Size:	6128 bp
RefSeq ORF:	4842 bp
Locus ID:	69700
Cytogenetics:	15 D3