

Product datasheet for **MG224368**

Col23a1 (NM_153393) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col23a1 (NM_153393) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Col23a1
Synonyms:	2810458L13Rik; AI429655
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224368 representing NM_153393
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGCGGGCAGCGCGCGGGCGGAGGAGCGCGCAGGACCCCGAGCGGGCTCGGGTTCGCGGG
 CGCTGAGCGCGCTGTGCCTGCTGCTGTCGGTGGGCTCTGCGGCCCTGTCTCCTGTTGGGAGCCAGGC
 GGCCGCCCTGCATGGCCGAGTGGCGGCGCTGGAGCAGGAGCGCGAGCTGTTGCGGCATGCGGGGCGCTCC
 GGAGCCCTGGCCGCTGGGCCGAAACGCACCTGGAGCGCCTGTTACGGGAGAAGTTGGATGGAGTCGCCA
 AGCTCAGGACAGTTCGAGAAGCCCATCTGAGTGCATCTGTCCCCTGGTCCCCCTGGACGGCGTGGCAA
 GCCTGGACGAAGAGGCGACCTGGTCTCCAGGGCAATCAGGACGAGATGGTACCCGGGACCTCTAGGT
 CTGGACGCAAGCCGGACTTCCAGGCCCAAAGGGGAAAAGGTACCCGGGAGACTTTGGCCCGGGG
 GAGCCAAAGGCAAGATGGAGTTCAGGACCACCGGGGCTCCTGGACCCTGGGGCCCGGGCCCTCC
 TGGTGACTGGGAAAGATGGCCCCGAGGAGCGCAAGGCCAGCGGGTCCAGAGGAGAGCCCGGACAA
 GATGGCGAGATGGGCCCAAAGGACCTCCAGGACCAAGGGAGAACCTGGCATTCTGGGAAGAAGGGG
 ATGATGGGATGGCCAACAGCCAGGACTCCCTGGACCCCAAGGGTGAAGGAGGAGGATGTGGG
 GCCCGAGGAGAGAATGGAGTGGACGGCATTCTGGACTAAAGGGGAGCCCGGTACCCAGGCGTGGAT
 GGAGCCACAGGGCCCGGGTGCCTCCGGGCTCAAGGGAGAACAAGGTGACACAGTGGTAATCGACTATG
 ACGGCAGGATCTTAGATGCCCTAAAGGGTCCCCCTGGACCACAGGGAGCTCCTGGCCACCAGGGATCCC
 TGGAGCCAAGGGTGAACCGGATTCCTGGTCCAGGAATCGATGGAGAGAAGGTCCCAAAGGACCA
 AAAGGAGACCCGGGAGAGCCTGGACCAGCTGGGCCAAAGGGGAAACAGGAGAGATGGCCCTGTCAGGTC
 TTCCGGGTGCTGATGGTCCCAAGGGGAAAAGGGAGAGTGGCGTCTGACCATCTACAAGAGAGCTGGC
 CCAGATCATAGTGAACCAAGGGCCCTGGTCTCCTGGTCCCCCTGGCCCATGGGCCTTCAGGGGATC
 CAAGGTCCAAGGCCTGGATGGAGCAAGGGGAAAAGGTACATCGGGTGAAGAGGCGCTCACGGCC
 TGCTGGACAGTTGGCCACCAGGCTTATTGGTTGCCAGGAACAAAGGAGAGAAGGGCAGACCTGG
 AGAACCAGGACTCGATGGTTCCCTGGACCCAGGGGAGAGAAGGGTGACCGAAGTGAACGTGGAGAGAAG
 GGGGAGCGAGGAGTTCCTGGCCGAAAGGCGTGAAGGGCCAGAAGGGAGAGCCGGGCCACCAGGCTTG
 ACCAGCCATGCTGTGGGCCCGATGGTTGCCTGTGCTGTTGCTGGCATAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG224368 representing NM_153393
 Red=Cloning site Green=Tags(s)

MGAGERAAGGGGAQDPGAGCGSRALSALCLLLSVGSAAACLLLGAQAAALHGRVAALQERELLRHAGPS
 GALAAWAETHLERLLREKLDGVAKLRTVREAPSEICPPGPPGRRGKPGRRGDPGPPGQSGRDGYPGLG
 LDGKPLPGPKGEKGTDFGPRGAQGGQDVAGPPGPPGARGPPGDTGKDGPRGAQGPAGPRGEPGQ
 DGEMGPKGPPGKGEPIPGKKGDDGMANQPGLPGPPGKGEKGDVGPVPRGENGVGIPGLKGEHPGVD
 GATGPRGAPGLKGEQGDVVIDYDGRILDALGPPGQAGPPGIPGAKGELGLPGAPGIDGKPKGP
 KGDPGEPGAPKGETGEMGLSGLPGADGPKGEKGESASDHLQESLAQIIIVEPAPPGPPGPMGLQGI
 QGPKGLDGAKGEKGTSGERPHGLPGVPPGLIGLPGTKGEKGRPEGLDGFPPRGEKGDRESERGEK
 GERGVPRKGVKQKGEPPGLDQPCVGPDPGLPVPGCWHK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_153393
ORF Size:	1596 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:	<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:	NM_153393.2 , NP_700442.2
RefSeq Size:	5665 bp
RefSeq ORF:	1599 bp
Locus ID:	237759
UniProt ID:	Q8K4G2
Cytogenetics:	11 B1.3