

## Product datasheet for **MG210412**

### Colec12 (NM\_130449) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Colec12 (NM_130449) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Colec12
Synonyms:	CL-P1; Scara4; SRCL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

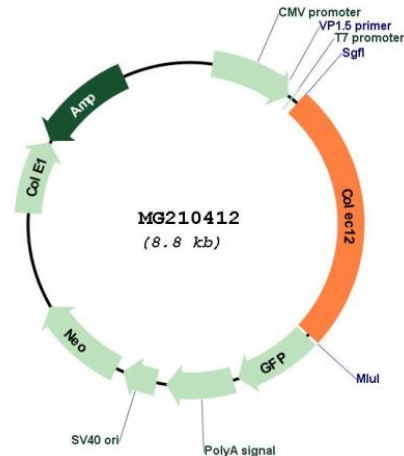
>MG210412 representing NM\_130449  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAAGACGACTTTGCAGAGGAAGAGGAGGTGCAGTCCTTCGGTTACAAGAGGTTTGGTATTCAGGAGG  
 GGACACAGTGTACCAAATGTAAAAATAACTGGGCACTGAAGTTTTCGATTGTATTATTATACATTCTGTG  
 TGCCCTTACTGACCATCACAGTAGCCATTTTGGGATATAAAAGTTGTAGAGAAAATGGACAATGTCACAGAT  
 GGCATGGAGACATCTCACCAGACTTATGACAACAACTCACTGCTGTGGAAAAGTACCTGAAGAAATTAG  
 GGGATCAAGCTGGGAAGAAAGCTCTAAGTACCAACTCTGAGCTTTCTACCTTCAGATCAGATATTCTGGA  
 TCTCCGTCAACAACCTCAGGAGATCACAGAAAAACCAGCAAGAACAAGATACGCTGGAGAAGTTGCAA  
 GCAATGGGGACTCATTGGTTGATAGGCAGAGTCAGCTGAAGGAACTCTGCAGAATAATTCTTCTCTCA  
 TTACCACCGTCAACAAAACACTCCAGGCATATAATGGCTATGTCACAAAATCTGCAACAAGATACTAGTGT  
 GCTCCAGGGCAATCTGCAGAGCCAAATGTATTCTCAGAGCGTGGTTATCATGAACCTCAACAACCTGAAC  
 CTAACCCAGGTTACGAGAGGAACCTTATCTCAAATCTGCAGCAGTCTGTGGATGACACAAGCCTGGCCA  
 TCCAGCGAATTAAGAATGATTTCCAAAATCTGCAGCAGTTTTCTTCAAGCCAAGAAGGACACCGATTG  
 GCTAAAGGAAAAAGTACAGAGCTTGACAGACTTGCTGCCAACAACTCTGCCCTGGCCAAAGCCAACAAT  
 GACACCTTAGAGGATATGAATAGCCAGCTCAGCTCATTACAGGTGAGTGGACAACATTACCACTATCT  
 CACAGGCCAACGAGCAGAGCCTGAAAGACCTTCAGGACTTACACAAGGATACAGAAAATAGAACAGCTGT  
 CAAGTTACGCCAACTTGAGGAACGCTTCCAGGTCTTTGAGACAGATATTGTGAACATCATTAGCAACATC  
 AGCTACACAGCCCACCTGAGGACACTGACCAGCAATCTGAATGATGTTAGGACCACATGCACAGACA  
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 TTCTCTCAGGATGCAGCAAGACATGATGAGGTCAAAGTTAGACACTGAAGTGGCCAACCTTATCAGTGGTT  
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 CTCCTGGCCCCAGAGGTCCAAAAGGTGACAGAGGATCTCAGGGACCACCTGGTCCAACCTGGCAACAAGGG  
 ACAGAAAGGAGAGAAGGGAGAGCCTGGTCCACCTGGCCCTGCGGGTGAGAGGGGCACAATTGGACCAGTC  
 GGCCCTCCTGGAGAGCGTGGCAGCAAAGGATCCAAAGGCTCACAGGGTCCCAAAGGATCTCGTGGGTCCC  
 CAGGGAAGCCTGGCCCTCAAGGACCTAGTGGGACCCAGGACCACAGGTCCACCAGGCAAGGATGGACT  
 CCCTGGCCCTCAGGGCCCTCCTGGCTTCCAGGGACTACAGGGCACTGTGGGTGAGCCTGGAGTACCTGGA  
 CCTCGGGGTTGCCAGGCTTCCAGGGGTGCCAGGCATGCCTGGGCCTAAGGGACCACCTGGCCCTCCAG  
 GCCCTCAGGAGCAATGGAGCCATTGGCTCTGCAGAATGAACCAACCCAGCATCAGAGGTCAACGGATG  
 TCCGCCTCACTGGAAGAACTTCACAGATAAATGCTACTATTTTTTATTGGAAAAAGAAATTTTTGAAGAT  
 GCTAAGCTTTTCTGTGAAGACAAATCTTCCCATCTCGTTTTTATAAACTCAAGAGAAGAAGCAATGGA  
 TAAAAAAGCATACCGTGGGGAGAGAAAGCCATTGGATCGGCCTCACAGACTCAGAACAGGAAAGCGAATG  
 GAAGTGGCTAGACGGGTACCTGTTGATTACAAAAACTGGAAAGCTGGACAACAGATAACTGGGGCAGT  
 GGCCATGGGCCAGGAGAAGACTGTGCTGGCTTGATTTACGCAGGACAGTGAATGACTTCCAGTGTGATG  
 AAATCAATAACTTCATTTGTGAGAAGGAAAGGGAGGCAGTACCATCATCCATATTA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA



**Plasmid Map:**


**ACCN:** NM\_130449

**ORF Size:** 2226 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\\_130449.2](#), [NP\\_569716.2](#)

**RefSeq Size:** 3322 bp

**RefSeq ORF:** 2229 bp

**Locus ID:** 140792

UniProt ID: [Q8K4Q8](#)

Cytogenetics: 18 A1

**Gene Summary:** Scavenger receptor that displays several functions associated with host defense. Promotes binding and phagocytosis of Gram-positive, Gram-negative bacteria and yeast. Binds also to sialyl Lewis X or a trisaccharide and asialo-orosomucoid (ASOR). Mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells (By similarity). Binds to several carbohydrates including Gal-type ligands, D-galactose, L- and D-fucose, GalNAc, T and Tn antigens in a calcium-dependent manner and internalizes specifically GalNAc in nurse-like cells (By similarity).  
[UniProtKB/Swiss-Prot Function]