

## Product datasheet for **MC221214**

### Colec12 (NM\_130449) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Colec12 (NM_130449) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Colec12
Synonyms:	CL-P1; Scara4; SRCL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221214 representing NM\_130449  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAAGACGACTTTGCAGAGGAAGAGGAGGTGCAGTCTTCGGTTACAAGAGGTTTGGTATTCAGGAGG  
 GGACACAGTGTACCAAATGTAAAAATAACTGGGCACTGAAGTTTTCGATTGTATTATTATACATTCTGTG  
 TGCCCTTACTGACCATCACAGTAGCCATTTTGGGATATAAAGTTGTAGAGAAAATGGACAATGTCACAGAT  
 GGCATGGAGACATCTCACCAGACTTATGACAACAACTCACTGCTGTGGAAAAGTACCTGAAGAAATTAG  
 GGGATCAAGCTGGGAAGAAAGCTCTAAGTACCAACTCTGAGCTTTCTACCTTCAGATCAGATATTCTGGA  
 TCTCCGTCAACAACCTCAGGAGATCACAGAAAAACCAGCAAGAACAAGATACGCTGGAGAAGTTGCAA  
 GCAATGGGGACTCATTGGTTGATAGGCAGAGTCAGCTGAAGGAACTCTGCAGAATAATTCTTCTCTCA  
 TTACCACCGTCAACAAAACACTCCAGGCATATAATGGCTATGTCACAAAATCTGCAACAAGATACTAGTGT  
 GCTCCAGGGCAATCTGCAGAGCCAAATGTATTCTCAGAGCGTGGTTATCATGAACCTCAACAACCTGAAC  
 CTAACCCAGGTTACGAGAGGAACCTTATCTCAAATCTGCAGCAGTCTGTGGATGACACAAGCCTGGCCA  
 TCCAGCGAATTAAGAATGATTTCCAAAATCTGCAGCAGGTTTTCTTCAAGCCAAGAAGGACACCGATTG  
 GCTAAAGGAAAAAGTACAGAGCTTGACAGACTTGCTGCCAACAACTCTGCCCTGGCCAAAGCCAACAAT  
 GACACCCTAGAGGATATGAATAGCCAGCTCAGCTCATTACAGGTGAGTGGACAACATTACCACTATCT  
 CACAGGCCAACGAGCAGAGCCTGAAAGACCTTCAGGACTTACACAAGGATACAGAAAATAGAACAGCTGT  
 CAAGTTCAGCCAACCTTGAGGAACGCTCCAGGTCTTTGAGACAGATATTGTGAACATCATTAGCAACATC  
 AGCTACACAGCCCACCTGAGGACACTGACCAGCAATCTGAATGATGTTAGGACCACATGCACAGACA  
 CCTTGACCAGACACCGGATGACCTGACCTCCTTGAATAACACACTAGTCAACATCCGCTTGGATTCTAT  
 TTCTCTCAGGATGCAGCAAGACATGATGAGGTCAAAGTTAGACACTGAAGTGGCCAACCTTATCAGTGGTT  
 ATGGAAGAGATGAACTGGTTGACTCCAAGCACGGTCAGCTCATCAAGAACTTTACCATTCTACAAGGTC  
 CTCCTGGCCCCAGAGGTCCAAAAGGTGACAGAGGATCTCAGGGACCACCTGGTCCAACCTGGCAACAAGGG  
 ACAGAAAGGAGAGAAGGGAGAGCCTGGTCCACCTGGCCCTGCGGGTGAGAGGGGCACAATTGGACCAGTC  
 GGCCCTCTGGAGAGCGTGGCAGCAAAGGATCCAAAGGCTCACAGGGTCCCAAAGGATCTCGTGGGTCCC  
 CAGGGAAGCCTGGCCCTCAAGGACCTAGTGGGGACCCAGGACCACAGGTCCACCAGGCAAGGATGGACT  
 CCCTGGCCCTCAGGGCCCTCCTGGCTTCCAGGGACTACAGGGCACTGTGGGTGAGCTGGAGTACCTGGA  
 CCTCGGGGTTGCCAGGCTTCCAGGGGTGCCAGGCATGCCTGGGCCTAAGGGACCACCTGGCCCTCCAG  
 GCCCTCAGGAGCAATGGAGCCATTGGCTCTGCAGAATGAACCAACCCAGCATCAGAGGTCAACCGATG  
 TCCGCCTCACTGGAAGAACTTCACAGATAAATGCTACTATTTTTTATTGGAAAAAGAAATTTTTGAAGAT  
 GCTAAGCTTTTCTGTGAAGACAAATCTTCCCATCTCGTTTTTATAAACTCAAGAGAAGAACAGCAATGGA  
 TAAAAAGCATACCGTGGGGAGAGAAAGCCATTGGATCGGCCTCACAGACTCAGAACAGGAAAGCGAATG  
 GAAGTGGCTAGACGGGTACCTGTTGATTACAAAACTGGAAAGCTGGACAACAGATAACTGGGGCAGT  
 GGCCATGGGCCAGGAGAAGACTGTGCTGGCTTGATTTACGCAGGACAGTGAATGACTTCCAGTGTGATG  
 AAATCAATAACTTCATTTGTGAGAAGGAAAGGGAGGCAGTACCATCATCCATATTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_130449

**Insert Size:** 2229 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_130449.2</a></u> , <u><a href="#">NP_569716.2</a></u>
<b>RefSeq Size:</b>	3322 bp
<b>RefSeq ORF:</b>	2229 bp
<b>Locus ID:</b>	140792
<b>UniProt ID:</b>	<u><a href="#">Q8K4Q8</a></u>
<b>Cytogenetics:</b>	18 A1
<b>Gene Summary:</b>	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-orosomuroid (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]