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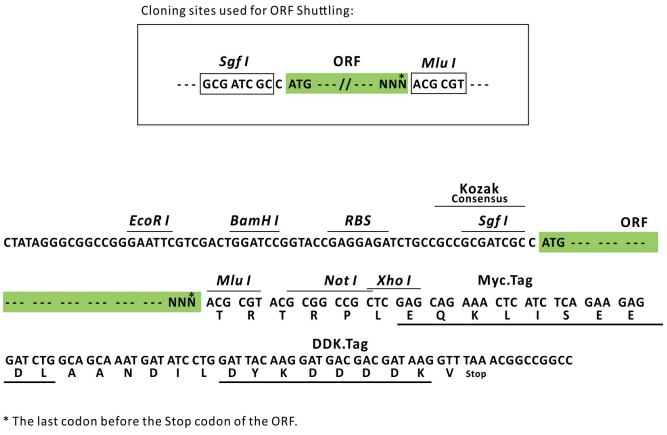
Product datasheet for RC209201L1

COLEC12 (NM_130386) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COLEC12 (NM_130386) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	COLEC12
Synonyms:	CLP1; NSR2; SCARA4; SRCL
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209201).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

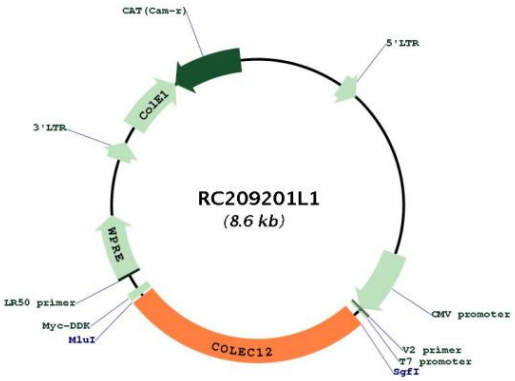


ACCN:	NM_130386
ORF Size:	2226 bp

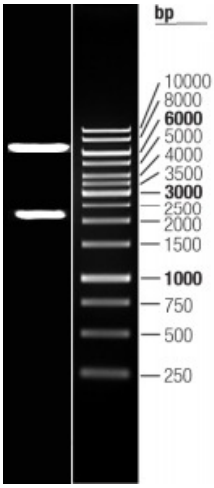
View online »

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_130386.1
RefSeq Size:	3134 bp
RefSeq ORF:	2229 bp
Locus ID:	81035
UniProt ID:	Q5KU26
Cytogenetics:	18p11.32
Protein Families:	Transmembrane
MW:	81.6 kDa
Gene Summary:	This gene encodes a member of the C-lectin family, proteins that possess collagen-like sequences and carbohydrate recognition domains. This protein is a scavenger receptor that displays several functions associated with host defense. It can bind to carbohydrate antigens on microorganisms, facilitating their recognition and removal. It also mediates the recognition, internalization, and degradation of oxidatively modified low density lipoprotein by vascular endothelial cells. [provided by RefSeq, May 2018]

Product images:



Circular map for RC209201L1



Double digestion of RC209201L1 using SgfI and MluI