

Product datasheet for **MR206171L4V**

Cx3cl1 (NM_009142) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cx3cl1 (NM_009142) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cx3cl1
Synonyms:	AB030188; ABCD-3; AI848747; CX3C; Cxc3; D8Bwg0439e; Scyd1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009142
ORF Size:	1188 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206171).
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.
RefSeq:	NM_009142.3 , NP_033168.2
RefSeq Size:	3144 bp
RefSeq ORF:	1188 bp
Locus ID:	20312
UniProt ID:	O35188
Cytogenetics:	8 46.79 cM



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Gene Summary:

Acts as a ligand for both CX3CR1 and integrins. Binds to CX3CR1 and to integrins ITGAV:ITGB3 and ITGA4:ITGB1. Can activate integrins in both a CX3CR1-dependent and CX3CR1-independent manner. In the presence of CX3CR1, activates integrins by binding to the classical ligand-binding site (site 1) in integrins. In the absence of CX3CR1, binds to a second site (site 2) in integrins which is distinct from site 1 and enhances the binding of other integrin ligands to site 1 (By similarity). The soluble form is chemotactic for T-cells and monocytes, but not for neutrophils. The membrane-bound form promotes adhesion of those leukocytes to endothelial cells. May play a role in regulating leukocyte adhesion and migration processes at the endothelium (PubMed:9177350, PubMed:10382755).[UniProtKB/Swiss-Prot Function]