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Product datasheet for MR217173L2V

Ackr4 (NM_145700) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ackr4 (NM_145700) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ackr4
Synonyms:	A630091E18Rik; CCBP2; CCR11; Ccrl1; CCX-CKR; CCX-CKR1; Cmkbrl1; PPR1; VSHK1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_145700
ORF Size:	1050 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR217173).
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_145700.2, NP_663746.2
RefSeq Size:	2109 bp
RefSeq ORF:	1053 bp
Locus ID:	252837
UniProt ID:	Q924I3
Cytogenetics:	9 F1

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Gene Summary: Atypical chemokine receptor that controls chemokine levels and localization via high-affinity chemokine binding that is uncoupled from classic ligand-driven signal transduction cascades, resulting instead in chemokine sequestration, degradation, or transcytosis. Also known as interceptor (internalizing receptor) or chemokine-scavenging receptor or chemokine decoy receptor. Acts as a receptor for chemokines CCL2, CCL8, CCL13, CCL19, CCL21 and CCL25. Chemokine-binding does not activate G-protein-mediated signal transduction but instead induces beta-arrestin recruitment, leading to ligand internalization. Plays an important role in controlling the migration of immune and cancer cells that express chemokine receptors CCR7 and CCR9, by reducing the availability of CCL19, CCL21, and CCL25 through internalization. Negatively regulates CXCR3-induced chemotaxis. Regulates T-cell development in the thymus and inhibits spontaneous autoimmunity.[UniProtKB/Swiss-Prot Function]