

Product datasheet for **MR204551L4V**

Cxxc5 (NM_133687) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cxxc5 (NM_133687) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cxxc5
Synonyms:	4930415K17Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_133687
ORF Size:	954 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204551).
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_133687.2
RefSeq Size:	2311 bp
RefSeq ORF:	954 bp
Locus ID:	67393
UniProt ID:	Q91WA4
Cytogenetics:	18 B2



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Gene Summary:

May indirectly participate in activation of the NF-kappa-B and MAPK pathways. Acts as a mediator of BMP4-mediated modulation of canonical Wnt signaling activity in neural stem cells. Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis (By similarity). Binds to the oxygen responsive element of COX4I2 and represses its transcription under hypoxia conditions (4% oxygen), as well as normoxia conditions (20% oxygen). May repress COX4I2 transactivation induced by CHCHD2 and RBPJ (By similarity).[UniProtKB/Swiss-Prot Function]