

Product datasheet for **RR203353L3V**

Cxxc5 (NM_001007628) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cxxc5 (NM_001007628) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Cxxc5
Synonyms:	MGC94398
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001007628
ORF Size:	948 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR203353).
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_001007628.2 , NP_001007629.1
RefSeq Size:	2081 bp
RefSeq ORF:	951 bp
Locus ID:	291670
UniProt ID:	Q5XIQ3
Cytogenetics:	18p11



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Gene Summary:

May indirectly participate in activation of the NF-kappa-B and MAPK pathways. Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis (By similarity). Acts as a mediator of BMP4-mediated modulation of canonical Wnt signaling activity in neural stem cells. 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. [UniProtKB/Swiss-Prot Function]