

Product datasheet for **RC203020L2V**

C12orf32 (NM_031465) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	C12orf32 (NM_031465) Human Tagged ORF Clone Lentiviral Particle
Symbol:	C12orf32
Synonyms:	chromosome 12 open reading frame 32; HKMT1188; HKMT1188, MGC13204; MGC13204
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_031465
ORF Size:	714 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203020).
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_031465.2 , NP_113653.1
RefSeq Size:	1872 bp
RefSeq ORF:	716 bp
Locus ID:	83695
Cytogenetics:	12p13.33
MW:	26.5 kDa



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Gene Summary:

Plays a role in DNA damage response (DDR) signaling upon genotoxic stresses such as ionizing radiation (IR) during the S phase. Recruited to sites of DNA damage through interaction with the 9-1-1 cell-cycle checkpoint response complex and TOPBP1 in a ATR-dependent manner. Required for the progression of the G1 to S phase transition. Plays a role in the stimulation of CHEK1 phosphorylation.[UniProtKB/Swiss-Prot Function]