

Product datasheet for **RC204166L4V**

CBX6 (NM_014292) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CBX6 (NM_014292) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CBX6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014292
ORF Size:	1236 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204166).
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_014292.3
RefSeq Size:	3284 bp
RefSeq ORF:	1239 bp
Locus ID:	23466
UniProt ID:	O95503
Cytogenetics:	22q13.1
Protein Families:	Transcription Factors
MW:	43.9 kDa



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Gene Summary:

Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development (PubMed:21282530). PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Possibly contributes to the target selectivity of the PRC1 complex by binding specific regions of chromatin (PubMed:18927235). Recruitment to chromatin might occur in an H3K27me3-independent fashion (By similarity). May have a PRC1-independent function in embryonic stem cells (By similarity).[UniProtKB/Swiss-Prot Function]