

## Product datasheet for **RC205283L4V**

### CBF (CEBPZ) (NM\_005760) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	CBF (CEBPZ) (NM_005760) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CBF
Synonyms:	CBF; CBF2; HSP-CBF; NOC1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005760
ORF Size:	3162 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205283).
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. <a href="#">More info</a>
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:	<a href="#">NM_005760.2</a>
RefSeq Size:	3341 bp
RefSeq ORF:	3165 bp
Locus ID:	10153
UniProt ID:	<a href="#">Q03701</a>
Cytogenetics:	2p22.2
Domains:	CBF
Protein Families:	Stem cell - Pluripotency, Transcription Factors



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**MW:** 121.4 kDa

**Gene Summary:** This gene belongs to the CBF/Mak21 family. The encoded protein plays a role in cellular response to environmental stimuli through a transcriptional process that involves heat shock factors, conserved DNA elements (heat shock elements or HSEs) and CCAAT boxes. The protein acts as a DNA-binding transcriptional activator and regulates the heat-shock protein 70 (HSP70) promoter in a CCAAT-dependent manner. The protein is also involved in cell growth and differentiation, particularly, hematopoietic differentiation. [provided by RefSeq, Nov 2020]