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Product datasheet for MR205482L2V

Cebpa (NM_007678) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cebpa (NM_007678) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cebpa
Synonyms:	C/ebp; C/ebpalpha; CBF-A; Ceb; Cebp
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_007678
ORF Size:	1077 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205482).
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_007678.3, NP_031704.2
RefSeq Size:	2651 bp
RefSeq ORF:	1080 bp
Locus ID:	12606
UniProt ID:	P53566
Cytogenetics:	7 21.02 cM

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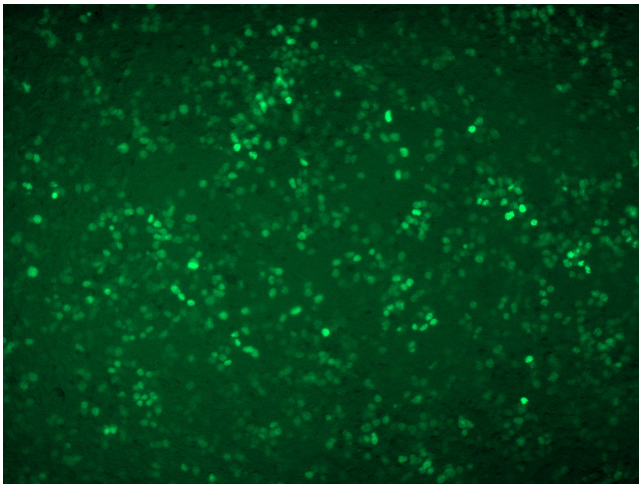
Gene Summary: This intronless gene encodes a transcription factor that contains a basic leucine zipper (bZIP) domain and recognizes the CCAAT motif in the promoters of target genes. The encoded protein functions in homodimers and also heterodimers with CCAAT/enhancer-binding proteins beta and gamma. Activity of this protein can modulate the expression of genes involved in cell cycle regulation as well as in body weight homeostasis. The use of alternative in-frame non-AUG (CUG) and AUG start codons results in several protein isoforms with different lengths. Differential translation initiation is mediated by an out-of-frame, upstream open reading frame which is located between the CUG and the first AUG start codons. [provided by RefSeq, Sep 2014]

Product images:



[MR205482L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR205482L2V particle to overexpress human Cebpa-mGFP fusion protein.