

Product datasheet for **RC223809L4V**

RUNX1 (NM_001754) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RUNX1 (NM_001754) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RUNX1
Synonyms:	AML1; AML1-EVI-1; AMLCR1; CBF2alpha; CBFA2; EVI-1; PEBP2aB; PEBP2alpha
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001754
ORF Size:	1440 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223809).
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_001754.3
RefSeq Size:	6190 bp
RefSeq ORF:	1443 bp
Locus ID:	861
UniProt ID:	Q01196
Cytogenetics:	21q22.12
Domains:	Runt
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors



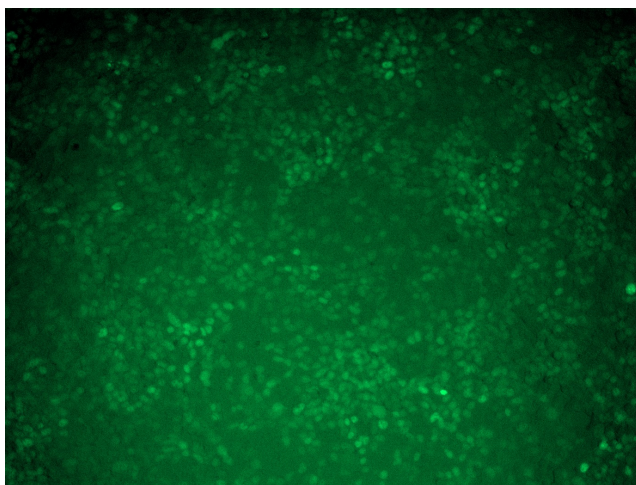
[View online »](#)

Protein Pathways: Acute myeloid leukemia, Chronic myeloid leukemia, Pathways in cancer

MW: 51.6 kDa

Gene Summary: Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded by this gene represents the alpha subunit of CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal translocations involving this gene are well-documented and have been associated with several types of leukemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



[RC223809L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC223809L4V particle to overexpress human RUNX1-mGFP fusion protein.