

Product datasheet for **RC220387L4V**

eRF1 (ETF1) (NM_004730) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	eRF1 (ETF1) (NM_004730) Human Tagged ORF Clone Lentiviral Particle
Symbol:	eRF1
Synonyms:	D5S1995; ERF; ERF1; RF1; SUP45L1; TB3-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004730
ORF Size:	1311 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220387).
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_004730.1
RefSeq Size:	3653 bp
RefSeq ORF:	1314 bp
Locus ID:	2107
UniProt ID:	P62495
Cytogenetics:	5q31.2
Domains:	eRF1_1, eRF1_2, eRF1_3
MW:	48.9 kDa



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Gene Summary:

This gene encodes a class-1 polypeptide chain release factor. The encoded protein plays an essential role in directing termination of mRNA translation from the termination codons UAA, UAG and UGA. This protein is a component of the SURF complex which promotes degradation of prematurely terminated mRNAs via the mechanism of nonsense-mediated mRNA decay (NMD). Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 6, 7, and X. [provided by RefSeq, Aug 2013]