

## Product datasheet for **RC229828L4V**

### ACT (FHL5) (NM\_001170807) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ACT (FHL5) (NM_001170807) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ACT
Synonyms:	1700027G07Rik; ACT; dj393D12.2; FHL-5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001170807
ORF Size:	852 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229828).
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_001170807.1</a> , <a href="#">NP_001164278.1</a>
RefSeq ORF:	855 bp
Locus ID:	9457
UniProt ID:	<a href="#">Q5TD97</a>
Cytogenetics:	6q16.1
Protein Families:	Druggable Genome
MW:	33.2 kDa



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**Gene Summary:**

The protein encoded by this gene is coordinately expressed with activator of cAMP-responsive element modulator (CREM). It is associated with CREM and confers a powerful transcriptional activation function. CREM acts as a transcription factor essential for the differentiation of spermatids into mature spermatozoa. There are multiple polyadenylation sites found in this gene. Polymorphisms in this gene may be associated with susceptibility for migraine headaches. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Apr 2016]