

## Product datasheet for **RC229705L4V**

### TSFM (NM\_001172697) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TSFM (NM_001172697) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TSFM
Synonyms:	EFTS; EFTSMT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001172697
ORF Size:	645 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229705).
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_001172697.1</a> , <a href="#">NP_001166168.1</a>
RefSeq ORF:	648 bp
Locus ID:	10102
UniProt ID:	<a href="#">P43897</a>
Cytogenetics:	12q14.1
Protein Families:	Transcription Factors
MW:	24 kDa



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**Gene Summary:**

This gene encodes a mitochondrial translation elongation factor. The encoded protein is an enzyme that catalyzes the exchange of guanine nucleotides on the translation elongation factor Tu during the elongation step of mitochondrial protein translation. Mutations in this gene are associated with combined oxidative phosphorylation deficiency-3 syndrome. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Mar 2010]