

Product datasheet for **RC204155L3V**

TM7SF1 (GPR137B) (NM_003272) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TM7SF1 (GPR137B) (NM_003272) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TM7SF1
Synonyms:	TM7SF1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003272
ORF Size:	1197 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204155).
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_003272.1
RefSeq Size:	2046 bp
RefSeq ORF:	1200 bp
Locus ID:	7107
UniProt ID:	O60478
Cytogenetics:	1q42.3
Protein Families:	Druggable Genome, Transmembrane
MW:	45.6 kDa



[View online »](#)

Gene Summary:

Lysosomal integral membrane protein that regulates the localization and activity of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids (PubMed:31036939). Interacts with Rag GTPases and increases the lysosomal localization and activity of Rag GTPases and thereby regulates mTORC1 translocation and activity in lysosome (PubMed:31036939). Involved in the regulation of lysosomal morphology and autophagy (PubMed:31036939).[UniProtKB/Swiss-Prot Function]