

## Product datasheet for **RC218861L4V**

### Transglutaminase 5 (TGM5) (NM\_004245) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Transglutaminase 5 (TGM5) (NM_004245) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Transglutaminase 5
Synonyms:	PSS2; TGASE5; TGASEX; TGM6; TGMX; TGX
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004245
ORF Size:	1914 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218861).
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_004245.1</a>
RefSeq Size:	1958 bp
RefSeq ORF:	1917 bp
Locus ID:	9333
UniProt ID:	<a href="#">O43548</a>
Cytogenetics:	15q15.2
Protein Families:	Druggable Genome
MW:	71.7 kDa



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**Gene Summary:**

This gene encodes a member of the transglutaminase family. The encoded protein catalyzes formation of protein cross-links between glutamine and lysine residues, often resulting in stabilization of protein assemblies. This reaction is calcium dependent. Mutations in this gene have been associated with acral peeling skin syndrome. [provided by RefSeq, Oct 2009]