

Product datasheet for RC220515L3

OriGene Technologies, Inc.

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Transglutaminase 3 (TGM3) (NM_003245) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Transglutaminase 3 (TGM3) (NM_003245) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Transglutaminase 3

Synonyms: TGE; UHS2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

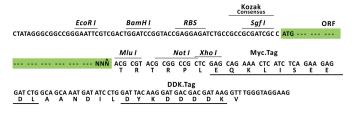
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220515).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_003245

ORF Size: 2079 bp





Transglutaminase 3 (TGM3) (NM_003245) Human Tagged Lenti ORF Clone - RC220515L3

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 003245.2</u>

 RefSeq Size:
 2679 bp

 RefSeq ORF:
 2082 bp

 Locus ID:
 7053

 UniProt ID:
 Q08188

Cytogenetics: 20p13

Protein Families: Druggable Genome

MW: 76.8 kDa

Gene Summary: Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma

glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. The protein encoded by this gene consists of two polypeptide chains activated from a single precursor protein by proteolysis. The encoded protein is involved the later stages of cell envelope formation in the epidermis and hair follicle. [provided by RefSeq,

Jul 2008]