OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC218141L4V

TGF alpha (TGFA) (NM_001099691) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TGF alpha (TGFA) (NM_001099691) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TGF alpha
Synonyms:	TFGA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001099691
ORF Size:	477 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC218141).`
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_001099691.1
RefSeq Size:	4261 bp
RefSeq ORF:	480 bp

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Locus ID:	7039
UniProt ID:	P01135
Cytogenetics:	2p13.3
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	ErbB signaling pathway, Glioma, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer, Renal cell carcinoma
MW:	16.8 kDa
Gene Summary:	This gene encodes a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. This protein may act as either a transmembrane-bound ligand or a soluble ligand. This gene has been associated with many types of cancers, and it may also be involved in some cases of cleft lip/palate. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]