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Product datasheet for RC211080L3V

COMP (NM_000095) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	COMP (NM_000095) Human Tagged ORF Clone Lentiviral Particle
Symbol:	COMP
Synonyms:	CTS2; EDM1; EPD1; MED; PSACH; THBS5; TSP5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000095
ORF Size:	2271 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC211080).`
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_000095.2
RefSeq Size:	2471 bp
RefSeq ORF:	2274 bp
Locus ID:	1311
UniProt ID:	P49747
Cytogenetics:	19p13.11
Domains:	EGF_CA, tsp_3, EGF, EGF
Protein Families:	Druggable Genome, Secreted Protein

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Protein Pathways: ECM-receptor interaction, Focal adhesion, TGF-beta signaling pathway

MW: 82.9 kDa

Gene Summary: The protein encoded by this gene is a noncollagenous extracellular matrix (ECM) protein. It consists of five identical glycoprotein subunits, each with EGF-like and calcium-binding (thrombospondin-like) domains. Oligomerization results from formation of a five-stranded coiled coil and disulfides. Binding to other ECM proteins such as collagen appears to depend on divalent cations. Contraction or expansion of a 5 aa aspartate repeat and other mutations can cause pseudochondroplasia (PSACH) and multiple epiphyseal dysplasia (MED). [provided by RefSeq, Jul 2016]