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Product datasheet for RC205677L3V

Osteoprotegerin (TNFRSF11B) (NM_002546) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Osteoprotegerin (TNFRSF11B) (NM_002546) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Osteoprotegerin
Synonyms:	OCIF; OPG; PDB5; TR1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002546
ORF Size:	1203 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205677).
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_002546.2
RefSeq Size:	2354 bp
RefSeq ORF:	1206 bp
Locus ID:	4982
UniProt ID:	O00300
Cytogenetics:	8q24.12
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction

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MW: 46 kDa

Gene Summary: The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand, both of which are key extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest that this protein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of this gene have been reported, but their full length nature has not been determined. [provided by RefSeq, Jul 2008]