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Product datasheet for RC230322L3V

Parathyroid Hormone Receptor 1 (PTH1R) (NM_001184744) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Parathyroid Hormone Receptor 1 (PTH1R) (NM_001184744) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Parathyroid Hormone Receptor 1
Synonyms:	EKNS; PFE; PTHR; PTHR1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001184744
ORF Size:	1779 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230322).
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_001184744.1, NP_001171673.1
RefSeq ORF:	1782 bp
Locus ID:	5745
UniProt ID:	Q03431
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

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MW: 66.8 kDa

Gene Summary: The protein encoded by this gene is a member of the G-protein coupled receptor family 2. This protein is a receptor for parathyroid hormone (PTH) and for parathyroid hormone-like hormone (PTHLH). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. Defects in this receptor are known to be the cause of Jansen's metaphyseal chondrodysplasia (JMC), chondrodysplasia Blomstrand type (BOCD), as well as enchodromatosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010]