

Product datasheet for **RC230322L4V**

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

Product data:

Product Type:	Lentiviral Particles
Symbol:	Parathyroid Hormone Receptor 1
Synonyms:	EKNS; PFE; PTHR; PTHR1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
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

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 (PTHrP). 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 enchondromatosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010]