PTH1R Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	PTH1R, Recombinant Protein
Full Product Name	Recombinant Human PTH1R
Product Gene Name	PTH1R recombinant protein
Product Synonym Names	Parathyroid hormone 1 receptor; PTH1R
Sequence	Tyr23-Met1 89
Host	Mammalian Cells
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, pH7.4
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Preparation and Storage	The lyophilized protein is stable at -20 degree C for up to 1 year. After reconstitution, the protein solution is stable at -20 to -80 degree C for 3 months or 1 week at 2 to 8 degree C under sterile conditions. For extended storage, it is recommended to further dilute in working aliquots, avoid repeated freeze/thaw cycle.
Molecular Weight	66
3D Structure	ModBase 3D Structure for Q0VGD7
Species	Human
Endotoxin	< 1 EU/ug as determined by LAL test.
Tag	C-terminal His Tag
Reconstitution	Centrifuge the vial at 10000rpm for 30s before opening, reconstitute in sterile distilled water to a concentration of 0.1-1mg/ml by gently pipetting 2-3 times, don't vortex.
Product Categories/Family for PTH1R recombinant protein	cytokines
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for PTH1R recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for PTH1R recombinant protein	MBS7622007 is a recombinant protein targeting PTH1R. Also known as Recombinant Human PTH1R. Host: Mammalian Cells.
Other Notes	Small volumes of PTH1R recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTH1R. It may not necessarily be applicable to this product.

NCBI GI #	296080761
NCBI GeneID	5745
NCBI Accession #	NP_001171673.1
UniProt Primary Accession #	Q0VGD7

UniProt Secondary Accession #	Q2M1U3
UniProt Related Accession #	Q03431
GenBank Nucleotide #	NM_001184744.1
NCBI Official Full Name	parathyroid hormone/parathyroid hormone-related peptide receptor
NCBI Official Synonym Full Names	parathyroid hormone 1 receptor
NCBI Official Symbol	PTH1R
NCBI Official Synonym Symbols	PFE; PTHR; PTHR1
UniProt Protein Name	Parathyroid hormone 1 receptor
UniProt Synonym Protein Names	Parathyroid hormone 1 receptor
Protein Family	Parathyroid hormone/parathyroid hormone-related peptide receptor
UniProt Gene Name	PTH1R
NCBI Protein Information	parathyroid hormone/parathyroid hormone-related peptide receptor
NCBI Summary for PTH1R	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]
Research Articles on PTH1R	**1.** PTH1R mutation causing primary failure of tooth eruption in a consanguineous Saudi family.
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