

Proteoliposomes

Full-Length

PTH1R (Human) Recombinant Protein

Catalog # H00005745-G01

Size 10 ug

Specification

Product Description

Human PTH1R full-length ORF (ADR83225.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MGTARIAPGLALLCCPVLSSAYALVDADDVMTKEEQIFLLHRAQAQCEKRLKEVLQRPASIMES
DKGWTSASTSGKPRKDKASGKLYPESEEDKEAPTGSRYRGRPCLPEDHILCWPLGAPGEVVA
VPCPDYYDFNHKGHAYRRCDRNGSWELVPGHNRTWANYSECVKFLTNETREREVFDRLGMIYT
VGYSVSLASLTVAVLILAYFRRLHCTRNYHMHFLFSFMLRAVSIFVKDAVLYSGATLDEAERLTEEE
LRAIAQAPPPATAAAGYAGCRVAVTFFLYFLATNYYWILVEGLYLHSLIFMAFFSEKKYLWGFTVF
GWGLPAVFVAVVWSVRATLANTGCWDLSSGNKKWIIQVPILASVLFNFILFINVRVLATKLRETNAG
RCDTRQQYRKLLKSTLVLMPFLGVHYVMFATPYTEVSGTLWQVQMHYEMLFNSFQGFFVAIYCF
CNGEVQAEIKKSWSRWTLALDFKRKARSGSSSYSGPMVSHTSVTNVGPRVGLGLPLSPRLPT
ATTNGHPQLPGHAKPGTPALETLETPPAMAAPKDDGFLNGSCSGLDEEASGPERPPALLQEE
WETVM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

65.3

Interspecies Antigen Sequence

Mouse (89); Rat (90)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — PTH1R

Entrez GeneID [5745](#)

GeneBank Accession# [HQ258471.1](#)

Protein Accession# [ADR83225.1](#)

Gene Name PTH1R

Gene Alias MGC138426, MGC138452, PTHR, PTHR1

Gene Description parathyroid hormone 1 receptor

Omim ID [156400](#) [166000](#) [168468](#)

Gene Ontology [Hyperlink](#)

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 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. [provided by RefSeq]

Other Designations PTH/PTHrP receptor|PTH/PTHrP type I receptor|parathyroid hormone receptor 1|parathyroid hormone/parathyroid hormone-related peptide receptor|parathyroid hormone/parathyroid hormone-related protein receptor|seven transmembrane helix receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Bone Resorption](#)
- [Cardiovascular Diseases](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteonecrosis](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)