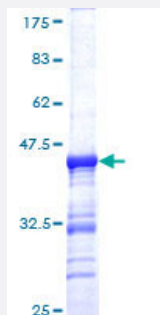


PTHR1 (Human) Recombinant Protein (Q01)

Catalog # H00005745-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PTHR1 partial ORF (NP_000307, 27 a.a. - 134 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DADDVMTKEEQIFLLHRAQAQCEKRLKEVLQRPASIMESDKGWTSASTSGKPRKDKASGKLYPE SEEDKEAPTGSRYRGRPCLPEDHILCWPLGAPGEVVAVPCPDY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.62
Interspecies Antigen Sequence	Mouse (83); Rat (84)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PTH1R

Entrez GeneID [5745](#)

GeneBank Accession# [NM_000316](#)

Protein Accession# [NP_000307](#)

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](#)