

Recombinant Full Length Human PTH2R Protein

Cat. No. PTH2R-693HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PTH2R was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	550 amino acids
Description	The protein encoded by this gene is a member of the G-protein coupled receptor 2 family. This protein is a receptor for parathyroid hormone (PTH). This receptor is more selective in ligand recognition and has a more specific tissue distribution compared to parathyroid hormone receptor 1 (PTH1R). It is activated only by PTH and not by parathyroid hormone-like hormone (PTHrP) and is particularly abundant in brain and pancreas. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	60.5 kDa
AA Sequence	MAGLGASLHV WGWMLGSC LARAQLDSDG TITIEEQIVL VLKAKVQCEL NITAQLQEGE GNCFPWDGL ICWPRGTVGK ISAVPCPPYI YDFNHKGVA RHCNPNGTWD FMHSLNKTWA NYSDCLRFLQ PDISIGKQEF FERLYVMYTV GYSISFGSLA VAILIIGYFR RLHCTRNYIH MHLFVSFMLR ATSIFVKDRV VHAHIGVKEL ESLIMQDDPQ NSIEATSVDK SQYIGCKIAV VMFIYFLATN YYWILVEGLY LHNLIFFVAFF SDTKYLWGFI LIGWGFPAAF VAAWAVARAT

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LADARCWELS AGDIKWYQA PILAAIGLNF ILFLNTRVRL ATKIWETNAV
 GHDTKQYRK LAKSTLVVL VFGVHYIVFV CLPHSFTGLG WEIRMHCELF
 FNSFQGFFVS IICYCNGEV QAEVKKMWSR WNLSVDWKRT PPCGSRRCGS
 VLTTVTHSTS SQSQVAASTR MVLISGKAAK IASRQPDSHI TLPGYVWSNS
 EQDCLPHSFH EETKEDSGRQ GDDILMEKPS RPMESNPDE GCQGETEDVL

Applications

Antibody Production; Functional Study: Recommended usage only, not validated yet;
 Compound Screening: Recommended usage only, not validated yet.

Storage

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

GENE INFORMATION
Gene Name

PTH2R parathyroid hormone 2 receptor [Homo sapiens]

Official Symbol

PTH2R

Synonyms

PTH2R; parathyroid hormone 2 receptor; parathyroid hormone receptor 2 , PTHR2;
 PTH2 receptor; parathyroid hormone receptor 2; PTHR2

Gene ID

5746

mRNA Refseq

NM_005048

Protein Refseq

NP_005039

MIM

601469

UniProt ID

P49190

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