

Recombinant Human PTH2R protein

Cat. No. PTH2R-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTH2R was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
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 (PTH1H) 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	MAGLGASLHVWGWMLGSCLLARAQLDSDGTITIEEQIVLVLKAKVQCELNITAQLQ EGEGNCFPEWDGLICWPR GTVGKISAVPCPPYIYDFNHKGVAFRHCNPNGTWDFM HSLNKTWANYSDCLRFLQPDISIGKQEPPERLYVMYTV GYSISFGSLAVAILIIGYFRR LHCTRNYIHMHLFVSFMLRATSIFVKDRVVAHIGVKELESIMQDDPQNSIEA TSVD KSQYIGCKIAVVMFIYFLATNYYWILVEGLYLHNLIFVAFFSDTKYLVGFILIGWGFPA FVAAWAVARAT LADARCWELSAGDIKWYQAPILAAIGLNFILFLNTVRVLATKIWET NAVGHDRKQYRKLAKSTLVVLVFGVH YIVFVCLPHSFTGLGWEIRMHCELFNSF QGFFVSIICYCNGEVQAEVKKMWSRWNLSDWKRTPPCGSRRCGS VLTTVTHST

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SSQSQVAASTRMVLISGKAAKIASRQPD SHITLPGYVWSNSEQDCLPHSFHEETKED
SGRQGDDIL MEKPSRPMESNPDTTEGCQGETEDVL

Applications Antibody Production; Functional Study; Compound Screening

Notes Heating may cause protein aggregation. Please do not heat this product before electrophoresis. Best use within three months from the date of receipt of this protein.

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

Chromosome Location 2q33

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Pathway

Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class B Secretin-like, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

Function

parathyroid hormone receptor activity; receptor activity; signal transducer activity;

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