

Parathyroid hormone 2 receptor Recombinant Protein | PTH2R recombinant protein

Recombinant Human Parathyroid hormone 2 receptor

CATALOG # AAA113216	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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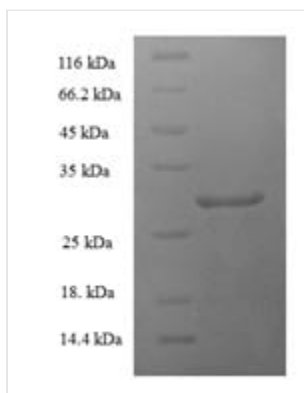
PRODUCT SYNONYMS

Parathyroid hormone 2 receptor; Recombinant Human Parathyroid hormone 2 receptor; PTH2R recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	27-145aa; Extracellular Domain
Sequence	DSDGTITIEE QIVLVKAKV QCELNITAQL QELEGNCFPE WDGLICWPRG TVGKISAVPC PPYIYDFNHK GVAFRHCNPN GTWDFMHSN KTWANYSCL RFLQPDISIG KQEPPERLY
Sequence Length	550
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PTH2R recombinant protein	This is a specific receptor for parathyroid hormone. The activity of this receptor is mediated by G proteins which activate adenyl cyclase. PTH2R may be responsible for PTH effects in a number of physiological systems. It may play a significant role in pancreatic function. PTH2R presence in neurons indicates that it may function as a neurotransmitter receptor.
Product Categories/Family for PTH2R recombinant protein	Neuroscience

References	Identification and functional expression of a receptor selectively recognizing parathyroid hormone, the PTH2 receptor.Usdin T.B., Gruber C., Bonner T.I.J. Biol. Chem. 270:15455-15458(1995) cDNA clones of human proteins involved in signal transduction sequenced by the Guthrie cDNA resource center (www.cdna.org) .King M.M., Aronstam R.S., Sharma S.V. Assignment of the human PTH2 receptor gene (PTHR2) to chromosome 2q33 by fluorescence in situ hybridization.Usdin T.B., Modi W., Bonner T.I.Genomics 37:140-141(1996) Identification and characterization of the murine and human gene encoding the tuberoinfundibular peptide of 39 residues.John M.R., Arai M., Rubin D.A., Jonsson K.B., Jueppner H.Endocrinology 143:1047-1057(2002)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	828747943
NCBI GeneID	5746
NCBI Accession #	NP_001296445.1
NCBI GenBank Nucleotide #	NM_001309516.1
UniProt Accession #	P49190; Q8N429
Molecular Weight	29.6 kDa
NCBI Official Full Name	parathyroid hormone 2 receptor isoform 2
NCBI Official Synonym Full Names	parathyroid hormone 2 receptor
NCBI Official Symbol	PTH2R
NCBI Official Synonym Symbols	PTHR2
NCBI Protein Information	parathyroid hormone 2 receptor
UniProt Protein Name	Parathyroid hormone 2 receptor
UniProt Gene Name	PTH2R
UniProt Synonym Gene Names	PTHR2; PTH2 receptor
UniProt Entry Name	PTH2R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.