

Recombinant Human PTH2R protein, His & T7-tagged

Cat. No. PTH2R-2668H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTH2R aa. (Asp27~Tyr145 (Accession # P49190)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp27~Tyr145
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.3.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

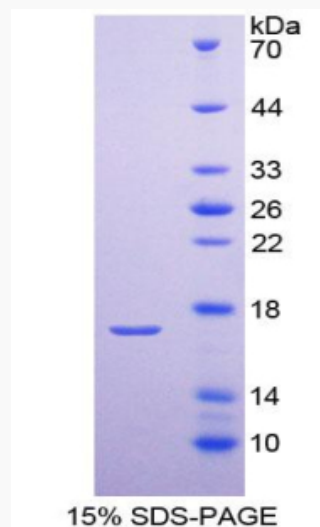
Gene Name	PTH2R parathyroid hormone 2 receptor [Homo sapiens (human)]
Official Symbol	PTH2R
Synonyms	PTHR2; PTH2 receptor; parathyroid hormone receptor 2; parathyroid hormone 2 receptor
Gene ID	5746
mRNA Refseq	NM_001309516.1
Protein Refseq	NP_001296445.1
UniProt ID	P49190

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SDS-PAGE



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