

Product datasheet for **TP726881**

Parathyroid Hormone Receptor 1 (PTH1R) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Parathyroid Hormone 1 Receptor/PTH1R (Gly49, C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Tyr23-Met189
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Parathyroid hormone 1 receptor is produced by our Mammalian expression system and the target gene encoding Tyr23-Met189 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	5745
UniProt ID:	Q03431
Summary:	Parathyroid hormone 1 receptor(PTH1R) is a multi-pass membrane protein. The protein is expressed in high levels in bone and kidney and regulates calcium ionhomeostasis through activation of adenylate cyclase and phospholipase C. In bone, it is expressed on the surface of osteoblasts. When the receptor is activated through PTH binding, osteoblasts express RANKL (Receptor Activator of Nuclear Factor kB Ligand), which binds to RANK (Receptor Activator of Nuclear Factor kB) on osteoclasts. This turns on osteoclasts to ultimately increase the resorption rate.



[View online »](#)