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Product datasheet for TP720009XL

Parathyroid Hormone (PTH) (NM_000315) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human parathyroid hormone (PTH)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Ser32-Gln115
Tag:	Tag Free
Predicted MW:	9.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Bioactivity:	Specific Activity of 1.0 x 104 IU/mg as calculated by the UMR106 cell/cAMP method.
Endotoxin:	< 0.1 EU per μg protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000306
Locus ID:	5741
UniProt ID:	P01270
Cytogenetics:	11p15.3
Synonyms:	FIH1; PTH1

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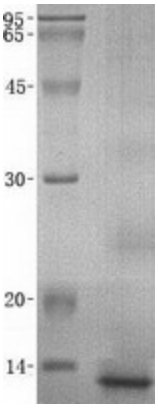
Summary: This gene encodes a member of the parathyroid family of proteins. The encoded preproprotein is proteolytically processed to generate a protein that binds to the parathyroid hormone/parathyroid hormone-related peptide receptor and regulates blood calcium and phosphate levels. Excess production of the encoded protein, known as hyperparathyroidism, can result in hypercalcemia and kidney stones. On the other hand, defective processing of the encoded protein may lead to hypoparathyroidism, which can result in hypocalcemia and numbness. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

Protein Families: Druggable Genome, Secreted Protein

Product images:



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