

Product datasheet for **AR52044PU-S**

Parathyroid hormone / PTH (32-115) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Parathyroid hormone / PTH (32-115) human protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSVSEIQLMH NLGKHLNSME RVEWLRKKLQ DVHNFVALGA PLAPRDAGSQ RPRKKEDNVL VESHEKSLGE ADKADVNVLT KAKSQ
Predicted MW:	9.55 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffered saline (pH 7.4) containing 2 mM EDTA
Bioactivity:	Specific: Measured by its ability to induce cAMP accumulation in MC3T3/E1 mouse preosteoblast cells. The ED50 for this effect is less than or equal to 50 ng/ml.
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
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: