

## Recombinant Human Parathyroid Hormone-related Protein (Human PTHrP)

### Product Information

Product Name	Cat#	Size
	92803ES10	10 µg
Recombinant Human Parathyroid Hormone-related Protein (Human PTHrP)	92803ES60	100 µg
	92803ES76	500 µg

### Product Description

PTHrP, also named parathyroid hormone-related protein, is belonging to the parathyroid hormone family. PTHrP is expressed in cancer cells (breast cancer, certain types of lung cancer including squamous cell lung carcinoma). The receptor for PTHrP is PTHR1. PTHrP plays a central role in regulating the hypercalcemia. Recombinant human PTHrP is a 9.9 kDa linear polypeptide of 86 amino acid residues and it shares 86 % a.a. identity with mouse PTHLH.

### Product Properties

<b>Synonyms</b>	Parathormone, Parathyrin
<b>Accession</b>	P12272
<b>GeneID</b>	5744
<b>Source</b>	E.coli-derived human PTHrP protein, Ala37-Pro122.
<b>Molecular Weight</b>	Approximately 9.9 kDa.
<b>AA Sequence</b>	AVSEHQLLHD KGKSIQDLRR RFFLHHLIAE IHTAEIRATS EVSPNSKPSP NTKNHPVRFG SDDEGRYLTQ ETNKVETYKE QPLKTP
<b>Tag</b>	None
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	>98% by SDS-PAGE and HPLC analyses.
<b>Biological Activity</b>	Testing in progress.
<b>Endotoxin</b>	< 0.1 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 10 mM PB, pH 6.0, 300 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
<b>Reconstitution</b>	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

### Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.

3. For research use only!