

32-8135: Recombinant Human Parathyroid Hormone-Related Protein/PTHLP (C-6His)(Discontinued)

Gene : PTHLP
Gene ID : 5744
Uniprot ID : P12272

Description

Source: E. coli.

MW :16.9kD.

Recombinant Human Parathyroid Hormone-Related Protein is produced by our E.coli expression system and the target gene encoding Ala37-Arg175 is expressed with a 6His tag at the C-terminus. Parathyroid Hormone-Related protein (PTHLP) is a member of the parathyroid hormone family. PTHLP is known as a potent inhibitor of chondrocyte maturation. PTHLP is a critical regulator of cellular and organ growth, development, migration, differentiation and survival and of epithelial calcium ion transport. PTHLP also regulates epithelial-mesenchymal interactions during the formation of the mammary glands. During endochondral bone development, PTHLP plays a major role in suppressing the onset of hypertrophic differentiation. Defects in PTHLP are the cause of Brachydactyly Type E2.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : MAVSEHQLLDKKGKSIQDLRRRFFLHHLIAEIHAEIRATSEVSPNSKPSNTKNHPVRFSGSDDEGRYLTQETNK
VETYEQPLKTPGKKKKGKPGKRKEQEKKKRRTRSAWLDSGVTGSGLEGDHLSDTSTTSLELDSRLEHHHHH
H

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.