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## Product Datasheet

### Mouse PTHrP protein, His tag, Unconjugated GTX00047-PRO

Artikelname	Mouse PTHrP protein, His tag, Unconjugated
Artikelnummer	GTX00047-PRO
Hersteller Artikelnummer	GTX00047-pro
Alternativnummer	GTX00047-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Mouse
Konjugation	Unconjugated
NCBI	<a href="#">19227</a>
UniProt	<a href="#">P22858</a>
Puffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Formulierung	Lyophilized powder
Sequenz	N-terminal His-Tag, Ala37~His175

Anwendungsbeschreibung

PThrP (Parathyroid Hormone Related Protein ) is a neuroendocrine peptide which is a critical regulator of cellular and organ growth, development, migration, differentiation and survival and of epithelial calcium ion transport. Regulates endochondral bone development and epithelial-mesenchymal interactions during the formation of the mammary glands and teeth. A binding ELISA assay was conducted to detect the association of PTHrP with PTHR1. Briefly, PTHrP were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100  $\mu$ l PTHrP were then transferred to PTHR1-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-PThrP pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37C. Finally, add 50  $\mu$ l stop solution to the wells and read at 450nm immediately. The binding activity of PTHrP and PTHR1 was in a dose dependent manner.