

Recombinant Full Length Dog PTH1R Protein, His-Tagged

Cat. No. RFL5156CF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Dog PTH1R Protein, His-Tagged, expressed in in vitro E.coli expression system.
Species	Dog
Source	E.coli
ProteinLength	29-595 aa
Tag	His
Molecular Mass	65 kDa
AA Sequence	DDVMTKEEQIFLLHRAQAQCQKRLKEVLQRPADIMESDKGWASASTSGKPKKEKAS GKLYPESEEDKEVPTGSRHRGRPCLPEDWDHILCWPLGAPGEVVAVPCPDYIYDFNH KGHAYRRCDRNGSWELVPGHNRTWANYSECVKFLTNETREREVFDRLGMIYTVGY SVSLASLTVAVLILAYFRRHLHCTRNYIHMHLFLSFMLRAVSIFVKDAVLYSGATLDEAE RLTEELRAIAQAPPPPTAAAGYAGCRVAVTFFLYFLATNYYWILVEGLYLHSLIFMAF FSEKKYLWGFTVFGWGLPAVFVAVWVSVRATLANTGCWDLSSGNKKWIIQVPILASI VLNFILFINIVRVLATKLRETNAGRCDTRQQYRKLLKSTLVLMPLFGVHYIVFMATPYT EVSGTLWQVQMHYEMLFNSFQGGFFVAIYCFCNGEVQAEIKKSWSRWTLALDFKRK ARSGSSSYSYGPMVSHTSVTNVGPRAGLGLPLSPRLLPAAAATTTATTNGHPPIPG HTKPGAPTLPATPPATAAPKDDGFLNGSCSLDEEASAPERPPALLQEEWETVM
Purity	≥85%, by SDS-PAGE

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Storage	Store it under sterile conditions at -20 to -80 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from 20 mM Tris-HCl, 0.15 M NaCl, 0.05% Brij78, 6% Trehalose, pH 8.0. The volume before lyophilization is 121µl/vial.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 °C /-80 °C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

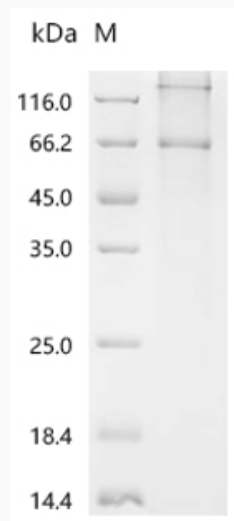
Gene Name	PTH1R parathyroid hormone 1 receptor [Canis lupus familiaris (dog)]
Official Symbol	PTH1R
Synonyms	PTH1; PTHR1
Gene ID	403779
mRNA Refseq	NM_001003155
Protein Refseq	NP_001003155
UniProt ID	Q9TU31

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It is speculated that the protein forms a dimeric structure. (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel. Boiling SDS-treated samples may result in membrane protein aggregation. Incubation at 37 °C for 10 min is an effective alternative.



Observed band size: Monomer: 65 kDa Dimer: 130 kDa

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