

Cynomolgus RANKL Protein; His Tag

Product Information

Product Name	Cynomolgus RANKL Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88990RP-100 / 100 μg GM-88990RP-1000 / 1 mg

Protein Information

Alternative Names	TNFSF11, CD254, TRANCE, OPGL, ODF
Source	Cynomolgus RANKL Protein; His Tag (GM-88990RP) is expressed from human 293 cells (HEK-293). It contains AA Gly 136 - Asp 317 (Accession # A0A7N9DBU4). This protein carries a His tag at the N-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	21.3 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Description	Receptor activator of nuclear factor- κB ligand (RANKL; TNFSF11, also termed CD254, TRANCE, and OPGL) is a tumor necrosis factor superfamily cytokine expressed predominantly by osteoblasts, stromal cells, and activated T cells, and exists both as a type II transmembrane protein and as a proteolytically released soluble homotrimer. Engagement of its receptor RANK (TNFRSF11A) on osteoclast precursors activates NF- κB and Ca^{2+} /NFATc1 signaling, driving osteoclast differentiation, activation, and survival, thereby promoting bone resorption, a process antagonized by the decoy receptor osteoprotegerin. RANKL also augments dendritic cell-stimulated naïve T-cell proliferation and contributes to humoral hypercalcemia of malignancy.

Figures

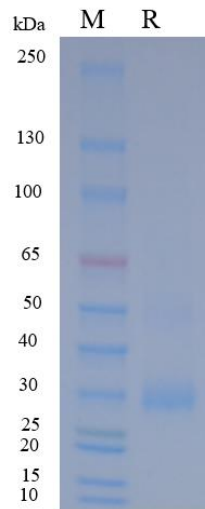


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

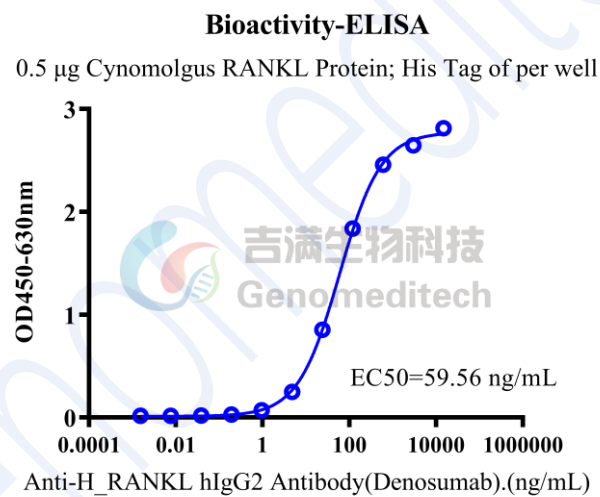


Figure 2 | Cynomolgus RANKL Protein; His Tag (Catalog # GM-88990RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-H_RANKL hIgG2 Antibody(Denosumab) (Catalog # GM-77688AB) were added.

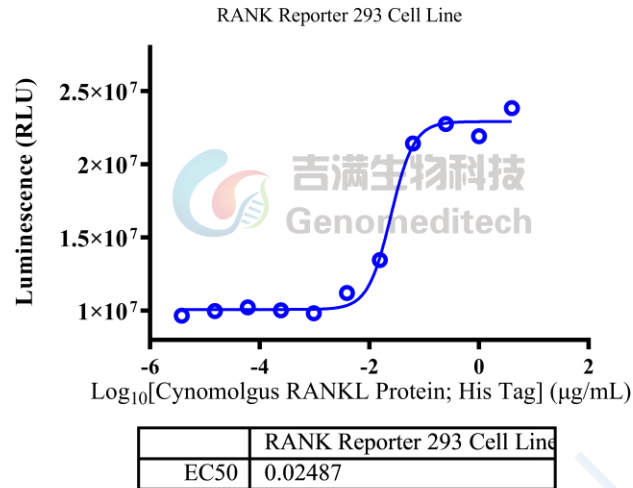


Figure 3 | Cynomolgus RANKL Protein; His Tag (Catalog # GM-88990RP) was added into RANK Reporter 293 Cell Line (Catalog # GM-C19909) and stimulates related signals.

Related Products

RANK:RANKL	
RANK Reporter HEK-293 Cell Line	H_RANKL U2OS Cell Line
Anti-H_RANKL hIgG2 Antibody(Denosumab)	