
Soluble RANK Ligand, Human Recombinant, GST tagged**CATALOG NUMBER: CCD-631-010P, 10 µg**

Synonyms	Soluble Receptor Activator of NFκB Ligand, TNFSF11, TRANCE, TNF-related activation-induced cytokine, OPGL, ODF, Osteoclast differentiation factor, Tumor necrosis factor ligand superfamily member 11, Receptor activator of nuclear factor kappa B ligand, RANKL, Osteoprotegerin ligand, CD254 antigen, sRANKL, sOdf, hRANKL2.
Introduction	RANKL binds to tnfrsf11b/opg and to tnfrsf11a/rank. Osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive t-cell proliferation. May be an important regulator of interactions between t-cells and dendritic cells and may play a role in the regulation of the t-cell-dependent immune response. sRANKL may also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy. By injecting soluble RANKL, novel osteopenia model mice were established in only 50 hours. Degree of bone loss can be controlled by changing doses of sRANKL. RANKL can be used in establishing osteopenia model for <i>in vivo</i> screening of drugs for osteoporosis, determination of effect and mechanism, evaluation of bone anabolic drugs.
Description	RANKL Human Recombinant fused to GST tag produced in <i>E. coli</i> is a single, non-glycosylated polypeptide having a molecular mass of 47 kDa. RANKL is purified by proprietary chromatographic techniques.
Source	<i>Escherichia coli</i> .
Formulation	The protein is in PBS (pH7.4) solution with 1 mM EDTA.
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer period of time. Please avoid freeze-thaw cycles.
Purity	> 95% pure as determined by SDS-PAGE.