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## Product Data Sheet

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Product Name: sRANKL Human, GST  
Cat. No.: GP20893  
Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Soluble Receptor Activator of NFkB 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.		
Formulation	The soluble RANKL protein solution contains 1mM EDTA and PBS pH-7.4.		

### 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 in vivo screening of drugs for osteoporosis, determination of effect and mechanism, evaluation of bone anabolic drugs.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

### Background

RANKL Human Recombinant fused to GST tag produced in E.Coli is a single, non-glycosylated polypeptide having a molecular mass of 47 kDa. RANKL is purified by

**Caution: Product has not been fully validated for medical applications. For research use only.**

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proprietary chromatographic techniques.

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