

## 32-6542: sRANKL Mouse (158-316), Active(Discontinued)

**Application :** Functional Assay

Tumor necrosis factor ligand superfamily member 11, Osteoclast differentiation factor, ODF,

**Alternative Name :** Osteoprotegerin ligand, OPGL, Receptor activator of nuclear factor kappa-B ligand, RANKL, TNF-related activation-induced cytokine, TRANCE, CD254, Tnfsf11, Opgl, Rankl, Trance

### Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

Soluble RANK Ligand or type II membrane protein, is part of the TNF proteins family. RANKL has been found to have an effect on the immune system and regulates bone regeneration and remodeling. This protein regulates cell apoptosis, binds to OPG protein (osteoprotegerin), cell proliferation regulator and acts as a ligand for RANK receptor. The protein is found to be expressed in various tissues such as thymus, colon, liver, skeletal muscle, osteoblast etc.

sRANKL Mouse produced in E.Coli is a single, non-glycosylated polypeptide chain containing 160 amino acids (158-316a.a) and having a molecular mass of 17.9 kDa. sRANKL is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg(Discontinued) / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The sRANKL solution (1mg/ml) contains 0.1M NaCl and Tris-HCl buffer (pH8.5).

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MKPEAQPF~~A~~H LTINAASIPS GSHK~~V~~TLSSW YH~~D~~RGWAKIS NMTLSNGKLR  
VNQ~~D~~GFYYLYANICFRHHET SGSVPTDYLQ LMVYVVKTSI KIPSSHNL~~M~~K GGSTKNW~~S~~GN  
SE~~F~~H~~F~~YSINVG~~G~~FFKL~~R~~AGE EISIQVSNPS LLD~~P~~DQDATY FGAFK~~V~~Q~~D~~ID

### Application Note

Determined by osteoclast differentiation assay using RAW 264.7 mouse monocyte/macrophage cells.  $\hat{A}$  ED50 range for this is  $\leq 2$  ng/ml.