

## 32-1717: sRANKL Recombinant Protein

**Alternative Name :** 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

### Description

Source : Escherichia Coli. sRANKL Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 176 amino acids and having a molecular mass of 20 kDa. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by analysis by SDS-PAGE.  
**Content :** The protein was lyophilized from a concentrated (1mg/ml) solution containing 10mM Na<sub>2</sub>PO<sub>4</sub>, pH-8.0.  
**Storage condition :** Lyophilized TNFSF11 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution sRANKL should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.  
**Amino Acid :** EKAMVDGSW LDLAKRSKLE AQPFAHLTIN ATDIPSGSHK VSLSSWYHDR GWAKISNMTH SNGKLIVNQD GFYYLYANIC FRHHETSGDL ATEYLQLMVY VTKTSIKIPS SHTLMKGGST KYWSGNSEFH FYSINVGGFF KLRSGEEISI EVSNPSLLDP DQDATYFGAF KVRDID.

### Application Note

It is recommended to reconstitute the lyophilized sRANKL in sterile 18MΩ-cm H<sub>2</sub>O at a concentration of 100µg/ml, which can then be further diluted to other aqueous solutions. The activity is determined by a dose-dependent stimulation of IL-8 production in human PBMC and is typically less than 100ng/ml, corresponding to a specific activity of 10,000 Units/mg.

