

## 32-12290: Mouse RANK Ligand (AF)

**Gene :** Tnfsf11

**Gene ID :** 21943

**Uniprot ID :** O35235

**Alternative Name :** Tumor necrosis factor ligand superfamily member 11,  $\text{\AA}$  Osteoclast differentiation factor, Receptor activator of nuclear factor kappa-B ligand, TNF-related activation-induced cytokine

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:**  $\text{\AA}$  Monomer, 19.5 kDa (175 aa)

Receptor activator of nuclear factor kappa-B Ligand (RANK Ligand) is a cell-bound marker related to the tumor necrosis factor (TNF) family of proteins. RANK Ligand plays a critical role in bone metabolism and osteoclast differentiation. T cell expression of RANK Ligand promotes dendritic cell maturation.

### Product Info

**Amount :** 10  $\mu\text{g}$  / 100  $\mu\text{g}$

**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq$  95%

**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5  
Sterile water at 0.1 mg/mL

**Storage condition :** Store at  $-20^{\circ}\text{C}$

**Amino Acid :** MPAMMEGSWLD VAQRGKPEAQ PFAHLTINAA SIPSGSHKVT LSSWYHDRGW AKISNMTLSN  
GKLRVNQDGF YYLYANICFR HHETSGSVPT DYQLMVVYV KTSIKIPSSH NLMKGGSTKN WSGNSEFHFY  
SINVGFFKL RAGEEISIQV SNPSLLDPDQ DATYFGAFKV QDID

### Application Note

**Endotoxin:** Less than 0.1 ng/ $\text{\AA}$  $\mu\text{g}$  (1 IEU/ $\text{\AA}$  $\mu\text{g}$ ) as determined by LAL test.

Biological Activity was determined by Bioactive protein. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



