

## GFM4AF Recombinant Mouse RANK Ligand (Animal-Free)

### Description

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.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

<b>Length</b>	175 aa
<b>Molecular Weight</b>	19.7 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	O14788
<b>Purity</b>	≥95% determined by reducing and non-reducing SDS-PAGE

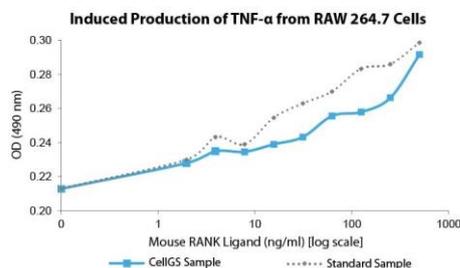
### Specifications

<b>Alternative Names</b>	Receptor activator of nuclear factor kappa-B Ligand, RANKL, RANK-L, RANK-ligand, TNFSF11, TRANCE, OPGL, ODF
<b>Biological Activity</b>	Mouse RANK Ligand (Animal-Free) is fully biologically active when compared to standard. The activity is determined by the ability to produce TNF-α by RAW 264.7 cells.
<b>Endotoxin Level</b>	≤1.00 EU/μg as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
<b>AA Sequence</b>	EKAMVDGSQL DLAKRSKLEA QPFAHLTINA TDIPSGSHKV SLSSWYHDRG WAKISNMTFS NGKLIVNQDG FYLYLANICF RHHETSGDLA TEYLQLMVYV TKTSIKIPSS HTLMKGGSTK YWSGNSEFHF YSINVGGFFK LRSGEISIE VSNPSLLDPD QDATYFGAFK VRDID

### Preparation and Storage

<b>Reconstitution</b>	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

### Data



Induced production of TNF-α by RAW 264.7 cells in response to Mouse RANK Ligand.