

TNFSF11

Recombinant Mouse Soluble RANK Ligand

Catalog No.	CRR101A CRR101B CRR101C CRR101D	Quantity:	2 µg 10 µg 1.0 mg 100 µg
Alternate Names:	CD254, ODF, OPGL, TRANCE		
Description:	<p>Receptor Activator of NF-κB Ligand (RANK Ligand) is a cell-bound marker (CD254) related to the TNF family of proteins. RANK Ligand plays a critical role in bone metabolism, particularly osteoclast differentiation. In addition, RANK Ligand is expressed by some T cells is a dendritic cell survival factor and is involved in the regulation of T cell-dependent immune response.</p> <p>Recombinant mouse soluble RANK Ligand is a non-glycosylated protein, containing 175 amino acids.</p>		
Gene ID:	21943		
UniProtKB:	O35235		
Source:	<i>E. coli</i>		
Molecular Weight:	Monomer, 19.5 kDa (175 aa)		
Formulation:	Lyophilized from 10 mM sodium phosphate, 20 mM sodium chloride, pH 7.5.		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	0.148 EU/µg		
Biological Activity:	The protein has full biological activity when compared to the standard. The activity is measured by its ability to induce osteoclast formation in mouse RAW264.7 cells.		
Amino Acid Sequence:	MPAMMEGSWL DVAQRGKPEA QPFAHLTINA ASIPSGSHKV TLSSWYHDRG WAKISNMTLS NGKLRVNQDG FYYLYANICF RHHETSGSVP TDYLQLMVYV VKTSIKIPSS HNLKGGSTK NWSGNSEFHF YSINVGGFFK LRAGEEISIQ VSNPSELLDPD QDATYFGAFK VQDID		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to reconstitute to a recommended concentration of 0.1 mg/mL and gently pipette solution up and down sides of vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Upon receipt, store desiccated at -20 °C to -80 °C for up to one year. Upon reconstitution, the preparation is stable for up to one month at 2-8 °C. For long term storage reconstitute in working aliquots containing 0.1% BSA and store at -20 °C to -80 °C. Avoid repeated freeze-thaw cycles.		

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