


Recombinant Mouse sRANKL protein

Cat #: PRP1114

Size: 2 μ g /10 μ g/100 μ g /1mg

Product Information

	Product Name: Recombinant Mouse sRANKL protein		
	Reconstitution: Use the buffer we provided to reconstitute the lyophilized Mouse sRANKL protein		
REF	Catalog Number: PRP1114	LOT	Lot Number: Refer to product label
	Purity: \geq 98 % as determined by SDS-PAGE		
	Storage: Store at -20C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: sRANKL protein is tumor necrosis factor ligand superfamily member 11, also known as Receptor activator of nuclear factor kappa-B ligand, Osteoprotegerin ligand, TNFSF11, RANKL, TRANCE, OPGL and CD254, is expressed in a variety of cells, including osteoblasts, fibroblasts, activated T-cells and bone marrow stromal cells, is also capable of interacting with a decoy receptor called OPG. Tnfsf11 is involved in a number of fundamental biological processes such as acting as regulator of interactions between T-cells and dendritic cells, the regulation of the T-cell-dependent immune response and enhancing bone-resorption in humoral hypercalcemia of malignancy. It augments the ability of dendritic cells to stimulate naive T-cell proliferation.

Sequence: Amino acid sequence derived from Mouse sRANKL isoform (O35235)(Pro143-Asp316) was expressed.

Protein length: The recombinant Mouse sRANKL consists of 174 amino acids(N-Met) and has a predicted molecular mass of 19 kDa. The apparent molecular mass of the Mouse sRANKL protein is approximately 19 kDa in SDS-PAGE under reducing conditions.

Biological Activity: Immobilized Mouse sRANKL at 1 μ g/mL (100 μ l/well) can bind Human OPG (C-Fc), The EC50 of Human OPG is 55 ng/mL.

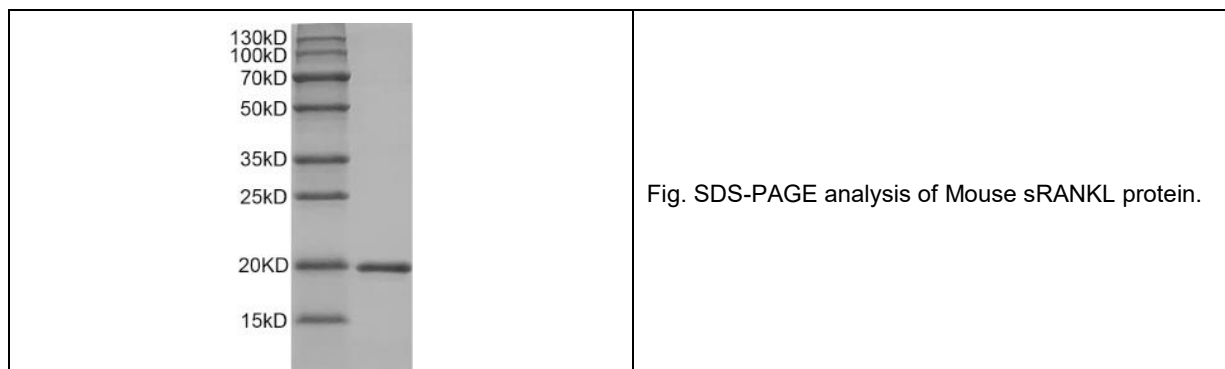
Endotoxin: < 1 EU per μ g of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris, 150 mM NaCl pH 8.0.

Storage Instructions: Lyophilized Mouse sRANKL protein product should be stored desiccated below -18 $^{\circ}$ C for 12 months. Upon reconstitution, the protein should be stored at 4 $^{\circ}$ C between 2 -7 days and below -18 $^{\circ}$ C for 3 months . For long term

storage it is recommended to add a carrier protein (example 0.1% HSA or BSA), aliquot and store below -18°C .Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening . It is recommended to centrifuge at 12,000 rpm for 1 minute. Then reconstitute the lyophilized Mouse sRANKL protein with the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



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