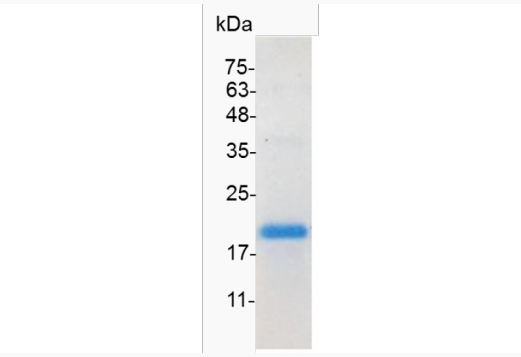
Active Recombinant Mouse RANKL Protein, His-Tagged

Cat. No. RANKL-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse RANKL Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	RANKL and RANK are members of the TNF superfamily of ligands and receptors that is critical for the regulation of specific immunity and bone turnover. RANK receptor was originally identified as a dendritic cell-membrane protein, which, by interacting with RANKL, augments the ability of dendritic cells. These dendritic cells then stimulate naïve T-cell proliferation in a mixed lymphocyte reaction, promote the survival of RANK+ T-cells, and regulate T-cell-dependent immune response. RANKL, which 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.
Form	Lyophilized powder
AA Sequence	MPAMMEGSWLDVAQRGKPEAQPFAHLTINAASIPSGSHKVTLSSWYHDRGWAKIS NMTLSNGKLRVNQDGFYYLYANICFRHHETSGSV PTDYLQLMVYVVKTSIKIPSSHNLMKGGSTKNWSGNSEFHFYSINVGGFFKLRAGEE ISIQVSNPSLLDPDQDATYFGAFKVQDID with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.

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Bio-activity	Measure by its ability to induce osteoclast differentiation in RAW264.7 cells. The ED50 for this effect is <2 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.
	

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