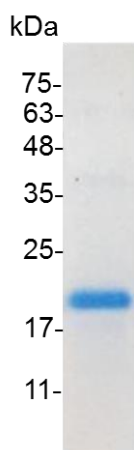


PRODUCT INFORMATION

RANKL (Receptor activator of nuclear factor kappa-B ligand), Mouse

Catalog number	C02048-5UG / C02048-20UG / C02048-100UG
Package	5 µg / 20 µg / 100 µg
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.
Source	<i>Escherichia coli</i>
Sequence	MPAMMEGSWLDVAQRGKPEAQPF AHLTINAASIPSGSHKVTLSWYHDRGWA KISNMTLSNGKLRVNQDGFYLYANICFRHHETSGSVPTDYLQLMVYVVKTSIKI PSSHNLMKGGSTKNWSGNSEFHFYSINVGFFKLRAGEEISIQVSNPSSLDPDQ DATYFGAFKVQDID with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce osteoclast differentiation in RAW264.7 cells. The ED ₅₀ for this effect is <2 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O 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.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse RANKL

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