9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

sRANKL (158-316) Mouse

Soluble RANK Ligand (158-316 a.a) Mouse Recombinant
GRF0378

Product Overview

Name	sRANKL (158-316) Mouse
Description	
Soluble RANK Ligand (158-316 a.a) Mouse Recombinant	
Accession (Primary)	Q3TWY5
Synonyms	
Soluble Receptor Activator of NFkB Ligand, TNFSF11, TRANCE, TNF-related activation-induced cytokine, OPGL, ODF, Osteoclast differentiation factor, Tumor necrosis factor ligand superfamily member 11, Receptor activator of nuclear factor kappa B ligand, RANKL, Osteoprotegerin ligand, CD254 antigen, sRANKL, sOdf.	
Introduction	
RANKL binds to tnfrsf11b/opg and to tnfrsf11a/rank. Osteoclast differentiation and activation factor. augments the ability of dendritic cells to stimulate naive t-cell proliferation. May be an important regulator of interactions between t-cells and dendritic cells and may play a role in the regulation of the t-cell-dependent immune response. sRANKL may also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
sRANKL protein solution (1mg/ml) containing Tris-Hcl buffer pH-8.5 and 0.1M NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MKPEAQPFAH LTINAASIPS GSHKVTLSSW YHDRGWAKIS NMTLSNGKLR VNQDGFYYLY ANICFRHHET SGSVPTDYLQ LMVYVVKTSI KIPSSHNLMK GGSTKNWSGN SEFHFYSINV GGFFKLRAGE EISIQVSNPS LLDPDQDATY FGAFKVQDID	

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Biological Activity

The ED 50 , as measured by its ability to induce osteoclast differentiation of RAW 264.7 mouse monocyte/macrophage cells, is less than 2ng/ml.

Precautions

sRANKL (158-316) Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q3TWY5)