Active Recombinant Mouse RANK L Protein

Cat. No. RANK L-547M **Lot. No.** (See product label)

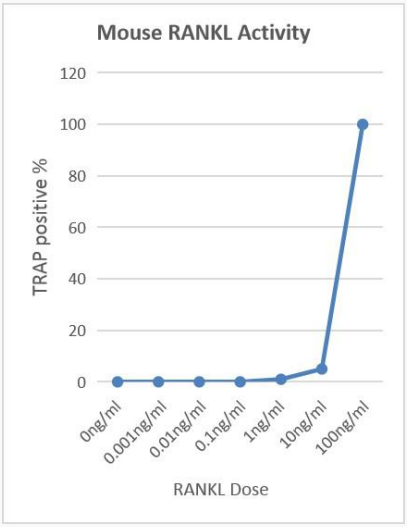
SPECIFICATION

Product Overview	Recombinant Mouse RANK L Protein(NP_033425.3) was expressed in E.coli.
Species	Mouse
Source	E.coli
Description	Receptor activator of nuclear factor kappa-B ligand (RANKL), also known as tumor necrosis factor ligand superfamily member 11 (TNFSF11), TNF-related activation-induced cytokine (TRANCE), osteoprotegerin ligand (OPGL), and osteoclast differentiation factor (ODF), is a member of the TNF superfamily. RANKL also has a function in the immune system, where it is expressed by T helper cells and is thought to be involved in dendritic cell maturation. The murine TRANCE cDNA encodes a type II transmembrane protein of 316 amino acids with a predicted cytoplasmic domain of 48 amino acids and extracellular of 247 amino acids. Mouse and human TRANCE share 85% amino acid sequence identity. TRANCE is primarily expressed in T cells and T cell rich organs, such as thymus and lymph nodes.
Predicted N Terminal	Met
Bio-activity	The ED50 for this effect is typically 0.5-2ng/ml
Endotoxin	<0.01 EU/μg of the protein
Purity	>95% by SDS-PAGE gel under reducing conditions and visualized by silver stain.

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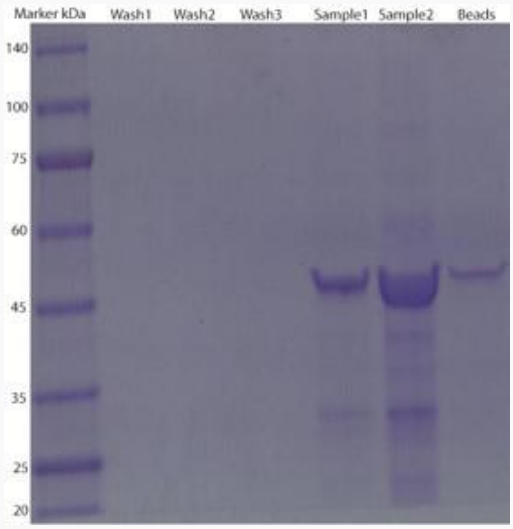
Reconstitution	400ng/μin sterile PBS.

GENE INFORMATION

Gene Name	Tnfrsf11a tumor necrosis factor receptor superfamily, member 11a, NFKB activator [Mus musculus (house mouse)]
Official Symbol	Tnfrsf11a
Synonyms	R; OFE; ODFR; Rank; TRAN; Ly109; mRANK; TRANCE-R
Gene ID	21934
mRNA Refseq	NM_009399.4
Protein Refseq	NP_033425.3
UniProt ID	O35305
Activity of RANK L-547M	

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SDS-PAGE of RANK
L-547M



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