

Recombinant Mouse Tnfrsf11a

Cat. No. Tnfrsf11a-1775M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
Description	RANK (Receptor Activator of Nuclear Factor κ B), also known as TRANCE Receptor is a type I membrane protein which is TNF receptor family member expressed on the surface of osteoclasts and is involved in the activation of osteoclasts upon ligand binding. It is also expressed on dendritic cells and facilitates immune signaling. RANK is highly expressed in mature osteoclasts. RANK is the intrinsic cell surface determinant that mediates osteoprotegerin ligand effects on bone resorption and remodeling as well as the physiological and pathological effects of calciotropic hormones and proresorptive cytokines.
Molecular Weight	The predicted molecular weight of Recombinant Mouse RANK is Mr 48 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 60 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.

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Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	Tnfrsf11a tumor necrosis factor receptor superfamily, member 11a [Mus musculus]
Synonyms	Tnfrsf11a; tumor necrosis factor receptor superfamily, member 11a; OFE; ODFR; Rank; Ly109; mRANK; TRANCE-R; receptor activator of NF-kappaB
Gene ID	21934
mRNA Refseq	NM_009399
Protein Refseq	NP_033425
UniProt ID	O35305
Chromosome Location	1 E2
Pathway	Cytokine-cytokine receptor interaction
Function	protein binding; receptor activity

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