

## Recombinant Mouse Tnfrsf11a

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

### SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Description</b>	RANK (Receptor Activator of Nuclear Factor $\kappa$ 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.
<b>Molecular Weight</b>	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.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Storage And Stability</b>	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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

## GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA