

Recombinant Mouse tumor necrosis factor superfamily, member 11 Protein, Tag Free

Cat. No. Tnfsf11-031M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse TRANCE/RANK L/TNFSF11 protein (O35235) (Arg 72-Asp 316) without tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	72-316aa
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.
Tag	Non
Molecular Mass	27.9 kDa

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.
GENE INFORMATION	
Gene Name	Tnfsf11 tumor necrosis factor (ligand) superfamily, member 11 [Mus musculus (house mouse)]
Official Symbol	Tnfsf11
Synonyms	TNFSF11; tumor necrosis factor (ligand) superfamily, member 11; tumor necrosis factor ligand superfamily member 11; OPG ligand; osteoprotegerin ligand; osteoclast differentiation factor; receptor activator of NF-kappaB ligand; TNF-related activation-induced cytokine; receptor activator of nuclear factor kappa B ligand; receptor activator of nuclear factor kappa-B ligand; tumor necrosis factor-related activation-induced cytokine; ODF; OPG; OPGL; RANKL; Ly109I; Trance;
Gene ID	21943
mRNA Refseq	NM_011613

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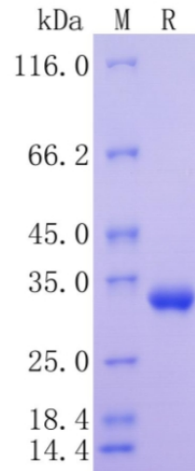
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Protein Refseq NP_035743

UniProt ID O35235

Protein on SDS-PAGE under reducing (R) condition.



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