## For Research Use Only Recombinant Mouse TNFSF11/RANKL protein (rFc Tag)



## Catalog Number: Eg1956

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/ µ g protein, L	AL method	
	Source: HEK293-derived Mouse TNFSF11 protein Arg72-Asp316 (Accession# 035235-1) with a rabbit IgG Fc tag at the N- terminus.		
	GenelD: 21943		
	Accession: O35235-1		
	Predicted Molecular N 54.8 kDa	lass:	
	SDS-PAGE: 52-65 kDa, reducing (I	R) conditions	
	Formulation: Lyophilized from 0.22 protectants before lyo	$^{\mu}$ m filtered solution in PBS, pH 7.4. Normally ophilization.	75% trehalose and 5% mannitol are added as
<b>Biological Activity</b>	Not tested		
Storage and Shipping	Storage: It is recommended th	at the protein be aliquoted for optimal storag	ge. Avoid repeated freeze-thaw cycles.
	<ul> <li>Until expiry d</li> <li>3 months, -20</li> </ul>	late, -20 $^\circ\!$	constitution.
	Shipping: The product is shippe temperature.	d at ambient temperature. Upon receipt, stor	e it immediately at the recommended
Reconstitution	Briefly centrifuge the	tube before opening. Reconstitute at 0.1-0.5	mg/mL in sterile water.
Background	TNFSF11 also known a for osteoprotegerin a produced by a diverse that include skeletal r regulation. RANKL was dependent immune r lymphocytes, and faile	s RANKL, is a member of the tumor necrosis fand functions as a key factor for osteoclast dif set of lineage-specific cells and is involved i emodeling, lymph node organogenesis, mam shown to be a dentritic cell survival factor ar esponse. The deficient mice exhibited defect ed to form lobulo-alveolar mammary structur	actor (TNF) cytokine family which is a ligand ferentiation and activation. RANKL is n a wide variety of physiological processes mary gland development, and thermal nd is involved in the regulation of T cell- is in early differentiation of T and B es during pregnancy.
References	1. Giuliani N. et al. (200 2. Hanada R. et al. (201 3. Onal M.et al. (2015) : 4. Danks L. et al. (2016)	04) Exp Hematol. 32(8):685-91. 1) J Mol Med (Berl). 89(7):647-56. J Bone Miner Res. 30(5):855-68. ) Ann Rheum Dis. 75(6):1187-95.	
Svnonvms	CD254, ODF, OPGL, Ost	teoclast differentiation factor, Osteoprotege	rin ligand

## Selected Validation Data



Purity of Recombinant Mouse TNFSF11 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.