

Active Recombinant Cynomolgus TNFSF11 protein(Gly136-Asp317), hFc-tagged

Cat. No. TNFSF11-210C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus TNFSF11 (G7PW41) (Gly136-Asp317) was expressed in HEK293 with the Fc region of Human IgG1 at the N-terminus.
Species	Cynomolgus
Source	HEK293
ProteinLength	Gly136-Asp317
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized Cynomolgus S4-Fc3L3-TNFSF11 at 10 µg/ml (100 µl/well) can bind biotinylated human TNFRSF11B-His, The EC50 of biotinylated human TNFRSF11B-His is 7.94-18.52 ng/ml. 2. The bioactivity of RANKL was determined by measuring the ability of RANKL to induce TRAP activity in RAW264.7 cells. The ED50 for this effect is typically 7-35 ng/mL.
Molecular Mass	The recombinant Cynomolgus TNFSF11 comprises 442 amino acids and has a calculated molecular mass of 48.9 KDa. The apparent molecular mass of the protein is approximately 55 KDa in SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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