

RANKL/TRANCE/TNFSF11 (N-6His), Mouse, Recombinant

Cat. No. : PCK061

General Information

Synonyms	Tumor necrosis factor Ligand superfamily member 11;Tnfsf11;Osteoclast differentiation factor;ODF;Osteoprotegerin Ligand;OPGL;Receptor activator of nuclear factor kappa-B Ligand;RANKL;TNF-related activation-induced Cytokine;TRANCE;CD254
Species	Mouse
Expression host	Human Cells
Sequence	Arg43-Asp287
Accession	BAA97257.1
Tag	N-6His
Mol mass	28.3kDa
Expiration date	12 months
Bio activity	Loaded Recombinant Human OPG-Fc on Pro A Biosensor, can bind Mouse RANKL-His with an affinity constant of 1.02 pM as determined in BLI assay.

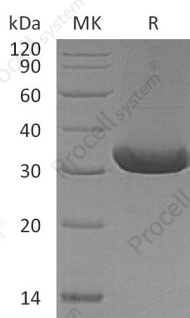
Product feature

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 8% Trehalose, 2% Mannitol, 0.05% Tween80, pH 9.0.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

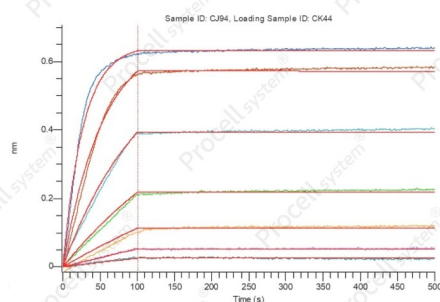
Background

Mouse tumor necrosis factor Ligand superfamily member 11 (Tnfsf11) is a member of the tumor necrosis factor (TNF) Cytokine family. Tnfsf11 is widely expressed in cells including T cells and T cell rich organs, such as thymus and lymph nodes. This Cytokine can bind to TNFRSF11B/OPG and TNFRSF11A/RANK. Tnfsf11 is involved in a number of fundamental biological processes such as acting as regulator of interactions between T-cells and dendritic cells, the regulation of the T-cell-dependent immune response and enhancing bone-resorption in humoral hypercalcemia of malignancy. It augments the ability of dendritic cells to stimulate naive T-cell proliferation.

SDS-PAGE



Bio activity



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