

Recombinant Human RANKL/TNFSF11 Protein

RPES0269

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES0269

Purity: > 85 % as determined by reducing SDS-PAGE.

Contents: 500µg, 50µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: CD254, ODF, OPGL, OPTB2, Osteoclast differentiation factor, RANKL, Receptor activator of nuclear factor kappa-B ligand, TNFSF11, hRANKL2, sOdf, tumor necrosis factor ligand superfamily member 11

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

Tag: None

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: 1. Immobilized human TNFSF11 at 2 µg/ml (100 µl/well) can bind biotinylated human Osteoprotegerin hFc, The EC50 of human Osteoprotegerin hFc is 5-40 ng/ml. 2. The bioactivity of hRANKL was determined by measuring the ability of hRANKL to induce TRAP activity in Raw 264. 7 cells. The ED50 for this effect is typically 1.5-7.5 ng/mL.

Calculated MW: 20.5 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 27 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: AAC51762.1

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Human RANKL/TNFSF11 protein Gly 64-Asp 245

Sequence: Gly 64-Asp 245

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder