

# Recombinant Human Osteoprotegerin/TNFRSF11B Protein (His Tag)

RPES4898

## Description

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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

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**SKU:** RPES4898

**Purity:** > 97 % as determined by reducing SDS-PAGE.

**Contents:** 100µg, 1mg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

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

**Synonyms:** OCIF, OPG, Osteoclastogenesis inhibitory factor, Osteoprotegerin, PDB5, TNFRSF11B, TR1, Tumor necrosis factor receptor superfamily member 11B

**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:** C-His

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

**Expression Host:** HEK293 Cells

**Bio-Activity:** 1. Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED50 for this effect is typically 5-20 ng/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.2. Immobilized human TNFRSF11B-His at 10 µg/ml (100 µl/well) can bind human Fc-TNFSF11 with a linear rangel of 3. 125-200 ng/mL.

**Calculated MW:** 45.3 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:** 55 kDa

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

**Accession:** NP\_002537.3

**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 Osteoprotegerin/TNFRSF11B protein Met 1-Leu 401, with an C-terminal His

**Sequence:** Met 1-Leu 401

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

**Form:** Lyophilized powder