

Human CellExp™ Soluble RANK Ligand, Human Recombinant

CATALOG NO: P1552-10 10 µg
P1552-50 50 µg

ALTERNATE NAMES: TNSF11, CD254, tumor necrosis factor ligand superfamily member 11, osteoclast differentiation factor, osteoprotegerin ligand, receptor activator of nuclear factor kappa-B ligand, TNF-related activation-induced cytokine

MOL. WT. 28 kDa (6xHis tag at the N-terminus)

SOURCE: HEK 293 cells

PURITY: ≥ 95% SDS - PAGE

FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered PBS (pH 7.4) with 5% trehalose

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile PBS (pH 7.4). Do not vortex.

STORAGE CONDITIONS: Store at -20°C. Once reconstituted, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: Receptor activator of nuclear factor kappa-B ligand (RANK-L), also known as tumor necrosis factor ligand superfamily member 11 (TNFSF11) or CD254, is a member of the tumor necrosis factor (TNF) superfamily. Receptor activator of nuclear factor kappa-B ligand (RANK) and its ligand RANKL have been described for their key roles in bone metabolism, the central nervous system and the immune system. Subsequently, it has been shown that the RANKL-RANK system also plays a critical role in other bone pathologies, bone metastasis or hormone-driven breast cancer. RANK-L is a ligand for osteoprotegerin (OPG) and functions as a key factor for osteoclast differentiation and activation. Some studies suggest the expression of RANK-L allows sufficient microenvironmental conditions to influence cancer cell migration.

AMINO ACID SEQUENCE: Ala 145 – Asp 317

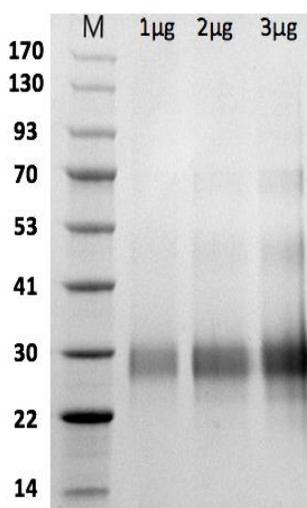


Fig. A. SDS-PAGE (4-20%) of Recombinant sRANK-L: Recombinant sRANK-L loaded under reducing (R) condition and stained with Coomassie Blue. Lane M-MW Marker, Lane 2-4 sRANK Ligand

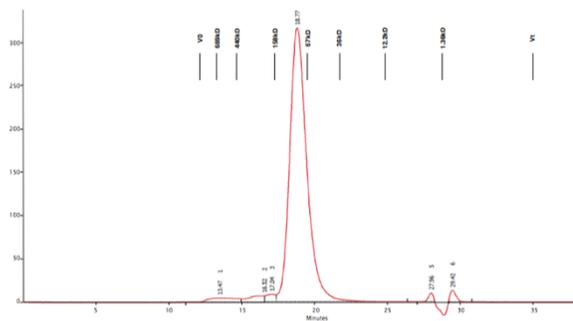


Fig. B. Size Exclusion Chromatography of Recombinant sRANK Ligand: SEC analysis of sRANK Ligand using Superdex™ 200 Increase 3.2x300 column in 50 mM sodium phosphate; 0.3 M NaCl pH 7.2 at 0.075 ml/min.

RELATED PRODUCTS:

- sRANK Ligand, rat recombinant (7192)
- sRANK Ligand, murine recombinant (4557)
- RANKL Antibody (5318R)
- sRANK Receptor, human recombinant (7193)
- sRANK Ligand, human recombinant (4318)
- sRANK Ligand Polyclonal Antibody (5557)

FOR RESEARCH USE ONLY! Not to be used on humans.