

Recombinant Human RANKL/TNFSF11 Protein (His Tag)(Active)

Catalog No: tcep034967



Available Sizes

Size: 10 µg

Size: 50 µg



Specifications

Species Reactivity:

Human

Host Species:

E.coli

Formula:

Lyophilized from a 0.2 µ

Purity / Grade:

> 90 % as determined by reducing SDS-PAGE.

Endotoxin Level:

Storage Instruction:

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.

Alternative Names:

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

Predicted Molecular Weight:

20 kDa

Observed Molecular Weight:

22.4 kDa

Sequence:

Ile140-Asp317

Tags:

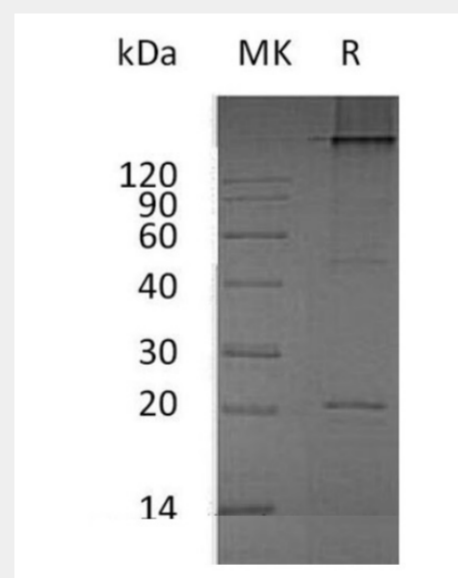
N-6His

Notes

Bioactivity: Immobilized ZRKLA at 2 μ g/ml(100 μ l/well) can bind Human OPG-His(Cat: PKSH033573) The ED50 of ZRKLA is 0.15 ug/ml .

Product Description

CD254, also known as RANKL, TNFSF11, TRANCE, OPGL and ODF, is a type II membrane protein of the tumor necrosis factor (TNF) superfamily, and affects the immune system and control bone regeneration and remodeling. RANKL is the ligand of nuclear factor (NF)- κ B (RANK). When RANKL binds to RANK, it will undergo trimerization and then bind to an adaptor molecule TNF receptor-associated factor 6 (TRAF6). This results in the activation of several downstream signaling cascades, including the NF κ B, mitogen-activated protein kinases (MAPK), activating protein 1 (AP-1), and nuclear factor of activated T cells (NFATc1), resulting in the formation of multinucleated bone-resorbing osteoclasts. RANKL is widely expressed in skeletal muscle, thymus, liver, colon, small intestine, adrenal gland, osteoblast, mammary gland epithelial cells, prostate and pancreas.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!