

Human sRANKL Recombinant Protein



RPPB0912

Product Information Protein Information

Product SKU:

RPPB0912

Accession:

O14788

Host:

Escherichia Coli.

Protein description:

sRANKL Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 175 amino acids and having a molecular mass of 19.7kDa.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Soluble Receptor Activator of NFkB Ligand, TNFSF11, TRANCE, TNF-related activation-induced cytokine, OPGL, ODF, Osteoclast differentiation factor, Tumor necrosis factor ligand superfamily member 11, Receptor activator of nuclear factor kappa B ligand, RANKL, Osteoprotegerin ligand, CD254 antigen, sRANKL, sOdf, hRANKL2.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) solution containing 10mM Sodium phosphate, pH-7.5.

Purity:

Greater than 95.0% as determined by analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized sRANKL in sterile 18MΩ-cm H2O at a concentration of 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized TNFSF11 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution sRANKL should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

EKAMVDGSW LDLAKRSKLE AQPFAHLTIN ATDIPSGSHK VSLSSWYHDR GWAKISNMTF SNGKLIVNQD
GFYYLYANIC FRHHETSGDL ATEYLQLMVY VTKTSIKIPS SHTLMKGGST KYWSGNSEFH FYSINVGGF
KLRSGEIISI EVSNPSLLDP DQDATYFGAF KVRDID.

Biological Activity:

The activity of RAW-Blue was measured to be 38.8 ng/ml, corresponding to a specific activity of 2.6x10⁴ units/mg.