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32-1717: sRANKL Recombinant Protein

Alternative Name :	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

Description

Source : Escherichia Coli. sRANKL Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 176 amino acids and having a molecular mass of 20 kDa. RANKL binds to tnfrsf11b/opg and to tnfrsf11a/rank. Osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive t-cell proliferation. May be an important regulator of interactions between t-cells and dendritic cells and may play a role in the regulation of the t-cell-dependent immune response. sRANKL may also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by analysis by SDS-PAGE.
Content :	The protein was lyophilized from a concentrated (1mg/ml) solution containing 10mM Na2PO4, pH-8.0.
Storage condition :	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 :	EKAMVDGSW LDLAKRSKLE AQPFAHLTIN ATDIPSGSHK VSLSSWYHDR GWAKISNMTF SNGKLIVNQD GFYYLYANIC FRHHETSGDL ATEYLQLMVY VTKTSIKIPS SHTLMKGGST KYWSGNSEFH FYSINVGGFF KLRSGEEISI EVSNPSLLDP DQDATYFGAF KVRDID.

Application Note

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. The activity is determined by a dose-dependent stimulation of IL-8 production in human PBMC and is typically less than 100ng/ml, corresponding to a specific activity of 10,000 Units/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.