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32-1028: AITRL His Recombinant Protein

Alternative Name :	Osteostat,TNFSF18,Activation-induced TNFR member Ligand,GITRL,TL6,AITRL,Glucocorticoid-induced TNF-related ligand,hGITRL,Tumor necrosis factor ligand superfamily member 18,MGC138237.

Description

Source : Escherichia Coli. AITRL Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain (aa 50-177) containing a total of 137 amino acids and having a molecular mass of 15.6kDa. The AITRL protein is fused to a 9 aa His Tag at C-terminus and purified by proprietary chromatographic techniques. Osteostat is the cytokine that binds to TNFRSF18/AITR/GITR and is important for interactions between activated T-lymphocytes and endothelial cells and may modulate T-lymphocyte survival in peripheral tissues. Osteostat is expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells after stimulation by lipopolysaccharides.Osteostat protein is detectable in human microvascular EC and is highly up-regulated by IFN-alpha and IFN-beta. Osteostat inhibit differentiation of osteoclasts from monocytic precursor cells. Osteostat suppresses the early stage of osteoclastogenesis via inhibition of macrophage colony-stimulating factorinduced receptor activator of NF-kappaB (RANK) expression in the osteoclast precursor cells. Osteostat does not inhibit lipopolysaccharide-induced RANK expression in monocytes and dendritic cells, or activation-induced RANK expression in T cells. Osteostat is a novel regulator of osteoclast generation and substantiate the major role played by the endothelium in bone physiology.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined bySDS-PAGE.
Content :	AITRL protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0) & 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MQLETAKEPC MAKFGPLPSK WQMASSEPPC VNKVSDWKLE ILQNGLYLIY GQVAPNANYN DVAPFEVRLY KNKDMIQTLT NKSKIQNVGG TYELHVGDTI DLIFNSEHQV LKNNTYWGII LIANPQEISL EHHHHHH.

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