

TNFSF18

Recombinant Human TNFSF18

Catalog No.	CS424A CS424B CS424C	Quantity:	5 µg 20 µg 1 mg
Alternate Names:	Osteostat, TNFSF18, Activation-induced TNFR member Ligand, GITRL, TL6, AITRL, Glucocorticoid-induced TNF-related ligand, hGITRL, Tumor necrosis factor ligand superfamily member 18		
Description:	<p>Osteostat is the cytokine that binds to TNFRSF18/AITR/GITR, 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.</p> <p>Osteostat protein is detectable in human microvascular EC and is highly up-regulated by IFN-alpha and IFN-beta. Osteostat inhibits differentiation of osteoclasts from monocytic precursor cells. Osteostat suppresses the early stage of osteoclastogenesis via inhibition of macrophage colony-stimulating factor induced 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.</p> <p>Recombinant Human TNFSF18 produced in <i>E.coli</i> is a single, non-glycosylated polypeptide chain containing 129 amino acids (72-199) and purified by proprietary chromatographic techniques.</p>		
Physical Appearance:	Sterile Filtered colorless solution.		
Gene ID:	8995		
Source:	<i>E. coli</i>		
Molecular Weight:	14.6 kDa		
Formulation:	The solution (0.5 mg/ml) contains 10 mM sodium citrate, pH 3.5, + 1 mM DTT + 10% glycerol		
Purity:	Greater than 90% as determined by SDS-PAGE.		
Amino Acid Sequence:	MQLETAKEPC MAKFGPLPSK WQMASSEPPC VNKVSDWKLE ILQNGLYLIY GQVAPNANYN DVAPFEVRLY KNKDMIQTLT NKSKIQNVGG TYELHVGDTI DLIFNSEHQV LKNNTYWGII LLANPQFIS		
Storage & Stability:	Store at 2-4°C if entire vial will be used within 2-4 weeks. Store, frozen in aliquots at -20°C to -80°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.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

