
Product Data Sheet

Product Name: sRANKL Human, His
 Cat. No.: GP20892
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Soluble Receptor Activator of NFκB 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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MIRA EKAMVD GSWLDLAKRS KLEAQPFAHL TINATDIPSG SHKVSLSSWY HDRGWAKISN MTF SNGKLIV NQDGFYYLYA NICFRHHETS GDLATEYLQL MVYVTKTSIK IPSSHTLMKG GSTKYWSGNS EFHFYSINVG GFFKLRSGEE ISIEVSNPSL LDPDQDATYF GAFKVRDID.		
Formulation	sRANKL protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

Introduction

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.

Stability

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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sRANKL Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 199 amino acids (140-317 a.a) and having a molecular mass of 22.3kDa.sRANKL is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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