

Soluble RANK Ligand Recombinant Protein | sRANKL recombinant protein

Recombinant Human Soluble RANK Ligand, GST Tag

CATALOG #
AAA38752

HOST
E Coli

PRODUCT SYNONYMS

Soluble RANK Ligand; Recombinant Human Soluble RANK Ligand; GST Tag; sRANKL Human; GST; Soluble RANK Ligand Human Recombinant; GST tag; 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; sRANKL GST; sRANKL recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The soluble RANKL protein solution contains 1mM EDTA and PBS pH-7.4. Sterile Filtered colorless clear solution.
Sequence Length	317
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. Please avoid freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for sRANKL recombinant protein	Description: RANKL Human Recombinant fused to GST tag produced in E Coli is a single, non-glycosylated polypeptide having a molecular mass of 47 kDa. RANKL is purified by proprietary chromatographic techniques. 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. By injecting soluble RANKL, novel osteopenia model mice were established in only 50 hours. Degree of bone loss can be controlled by changing doses of sRANKL. RANKL can be used in establishing osteopenia model for in vivo screening of drugs for osteoporosis, determination of effect and mechanism, evaluation of bone anabolic drugs.
Product Categories/Family for sRANKL recombinant protein	Cytokines and Growth Factors; Growth Factors; RANK Ligand

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507595
NCBI GeneID	8600
NCBI Accession #	NP_003692.1
NCBI GenBank Nucleotide #	NM_003701.3
UniProt Accession #	O14788; O14723; Q96Q17; Q9P2Q3
Molecular Weight	30,523 Da
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 11 isoform 1

NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 11
NCBI Official Symbol	TNFSF11
NCBI Official Synonym Symbols	ODF; OPGL; sOdf; CD254; OPTB2; RANKL; TRANCE; hRANKL2
NCBI Protein Information	tumor necrosis factor ligand superfamily member 11; TNF-related activation-induced cytokine; osteoclast differentiation factor; osteoprotegerin ligand; receptor activator of nuclear factor kappa B ligand; receptor activator of nuclear factor kappa-B ligand
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 11
UniProt Gene Name	TNFSF11
UniProt Synonym Gene Names	OPGL; RANKL; TRANCE; ODF; OPGL; RANKL; TRANCE
UniProt Entry Name	TNF11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tnfsf11-recombinant-protein-e-coli/38752>