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**Product Data Sheet**


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Product Name: RANK Mouse  
 Cat. No.: GP26071  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Tumor necrosis factor receptor superfamily member 11A, Osteoclast differentiation factor receptor, ODFR, Receptor activator of NF-KB, activator of NFKB, FEO, OFE, OSTS, PDB2, RANK, RANKLOH18CR1, CD265, CD265 antigen, OPTB7, TRANCER, LOH18CR1, receptor activator of nuclear factor-kappa B.		
Amino Acid Sequence	ADLVTPPCTQ ERHYEHLGRC CSRCEPGKYL SSKCTPTSDS VCLPCGPDEY LDTWNEEDKC LLHKVCDAGK ALVAVDPGNH TAPRRCACTA GYHWNSDCEC CRRNTECAPG FGAQHPLQLN KDTVCTPCLL GFFSDVFSST DKCKPWTNCT LLGKLEAHQG TTESDVVCS SMTLRRPPKE AQAYLPSLEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMIS RTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLVHQQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI VEWESNGQP ENNYKTTTPV LQSDGSFFLY SKLTVDKSRW QQGNVFCV MHEALHNHYT QKSLSLSPGK HHHHHH		
Formulation	RANK protein (1mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).		

**Introduction**

Tumor necrosis factor receptor superfamily member 11A or TNFRSF11A or RANK, is a protein, part of the tumor necrosis factor receptor (TNFR) group of proteins. RANK acts as the receptor of RANK-Ligand and regulates osteoclast activation & differentiation. RANK protein has been linked to activation of NF-kappa B & c-jun N-terminal kinase, enhancement of T cell growth, bone remodeling and repair, dendritic cell function, lymph node development, immune cell function, mammary gland development & thermal regulation.

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### 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

RANK Mouse Recombinant produced in Baculovirus is a single glycosylated polypeptide chain containing 426 amino acids (31-214 aa) and having a molecular mass of 47.5kDa. RANK is fused to a 242 amino acid hIgG-His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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