

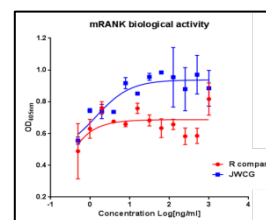
DATA SHEET

Product Information

Product Name	: Recombinant Mouse Receptor Activator of Nuclear factor Kappa-B Ligand (rmRANKL)
Synonyms	: TRANCE, ODF, OPGL, TNFSF11
Description	: RANKL is known as a type II membrane protein and is a member of the tumor necrosis factor (TNF) superfamily. RANKL has been identified to affect the immune system and control bone regeneration and remodeling. RANKL has a function in the immune system, where it is expressed by T helper cells and is thought to be involved in dendritic cell maturation. RANKL was shown to be a dendritic cell survival factor and is involved in the regulation of T cell-dependent immune response. T cell activation was reported to induce expression of this gene and lead to an increase of osteoclastogenesis and bone loss. (Ref. From Wikipedia)
NCBI Accession No.	: NP_035743.2
Amino acid sequence	: MPAMMEGSWLDVAQRGKPEAQPF A HLTINAASIPSGSHKVTLS S WYHDRGWA KISNMTLSNGKLRVNQDGFYLYANICFRHHETSGSVPTDYLQLMVYVVKTS IKIPSSHNLMKGGSTKNWSGNSEFHFYSINVG G FFKLRAGEEISIQVSNPSL LDPDQDATYFGAFKVQDID*
Molecular Mass	: 19.5kDa (175 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-M008-0010, JW-M008-0025, JW-M008-0100, JW-M008-0250, JW-M008-0500, JW-M008-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: -

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 98 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method
Biological Activity	: Determined by proliferation of RAW 264.7 indicator cells. The ED50 is 0.5 – 2.0 ng/ml.
Endotoxin	: Less than 0.2 EU/ μ g as determined by the LAL method
Formulation	: 50mM Sodium citrate-citric acid, 5% Glycerol (pH 5.0) without preservative or carrier proteins.
Stability	: Stable for up to 12 months at -70 °C. Stable for a month at 4 °C.
Sterility	: Sterilized through a 0.2 μ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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