

## RANK Ligand Soluble Mouse Recombinant

<b>Item Number</b>	rAP-2452
<b>Synonyms</b>	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, RAN
<b>Description</b>	sRANKL Mouse Recombinant produced in E.coli is single, non-glycosylated, polypeptide chain containing 160 amino acids and having a total molecular mass of 17.9kDa. CD254 is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	O35235
<b>Amino Acid Sequence</b>	MKPEAQPF <del>AH</del> LTINAASIPS GSHKVTLSSW YHDRGWAKIS NMTLSNGKLR VNQDGFYYLY ANICFRH-HET SGSVPTDYLQ LMVYVVKTSI KIPSSHNL <del>MK</del> GGSTKNWSGN SEFHFYSINV GGFFKLRAGE EISIQVSNPS LLDPDQDATY FGAFKVQDID.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized TNFSF11 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution sRANKL should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	The sRANKL Mouse was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.0, 200mM NaCl and 0.1mM EDTA. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized sRANKL in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED <sub>50</sub> as determined by its ability to induce osteoclast differentiation of murine RAW 264.7 cells is less than 2 ng/ml, corresponding to a specific activity of > 5.0 × 10 <sup>5</sup> IU/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**