ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Soluble RANK Ligand (158-316 a.a) Mouse Recombinant

Item Number	rAP-2458
Synonyms	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, RAN
Description	sRANKL Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain (158-316 a.a) having a molecular mass of 19kDa.The sRANKL is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q3TWY5
Amino Acid Sequence	Lys158-Asp316, with an N-terminal Met, Accession # Q3TWY5.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized sRANKL 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.
Formulation and Purity	sRANKL protein was lyophilized from a 0.2μm filtered solution in NaH2PO4, NaCl and EDTA. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized sRANKL in sterile 18MΩ-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50, as measured by its ability to induce osteoclast differentiation of RAW 264.7 mouse monocyte/macrophage cells, is less than 2ng/ml.
Shipping Format and Condition	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