

Human RANK Receptor soluble

Synonyms: Tumor necrosis factor receptor superfamily member 11A, Osteoclast differentiation factor receptor, ODFR, Receptor activator of NF-KB, FEO, OFE, ODFR, OST5, PDB2, RANK, CD265, OPTB7, TRANCER, LOH18CR1.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
20 µg	1856.950.020		
100 µg	1856.950.100		
1 mg	1856.950.199		

Please enquire for bulk quantities and other vial sizes

Description

sRANK Receptor Human Recombinant produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 174 amino acids and having a molecular mass of 19.1kDa.

- **Biological Activity** $\geq 2 \times 10^4$ IU/mg in the presence of 15 ng/ml of recombinant sRANK Ligand
- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** Lyophilized from a 0.2 µm filtered concentrated solution in 20mM Tris-HCl, pH 8.0 and 150mM NaCl*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ as determined by its ability to inhibit sRANK Ligand induced nuclear factor kappa B (NFkappaB) in RAW 264.7 cells is less than 50 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^4$ IU/mg in the presence of 15 ng/ml of recombinant sRANK Ligand.

Reconstitution

It is recommended to reconstitute the lyophilized sRANK Receptor in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized sRANK Receptor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution sRANK Receptor 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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

QIAPPCTSEK HYEHLGRCCN KCEPGKYMSS KCTTTSDSVC LPCGPDEYLD SWNEEDKCLL HKVCDTGKAL
 VAVVAGNSTT PRRCACTAGY HWSQDCECCR RNTECAPGLG AQHPLQLNKD TVCKPCLAGY FSDAFSSTDK
 CRPWTNCTFL GKRVEHHGTE KSDAVCSSSL PARK

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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