

Human sRANK Receptor Recombinant Protein



RPPB0918

Product Information Protein Information

Product SKU:

RPPB0918

Accession:

Q9Y6Q6

Host:

Escherichia Coli.

Protein 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. The sRANK Receptor is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

Lyophilized from a 0.2 µm filtered concentrated solution in 20mM Tris-HCl, pH 8.0 and 150mM NaCl.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

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 prevent freeze-thaw cycles.

Amino Acid Sequence:

QIAPPCTSEK HYEHLGRCCN KCEPGKYMSS KCTTSDSVC LPCGPDEYLD SWNEEDKLL HKVCDTGKAL
VAVVAGNSTT PRRCACTAGY HWSQDCECCR RNTECAPGLG AQHPLQLNKD TVCKPCLAGY FSDAFSSTDK
CRPWTNCTFL GKRVEHHGTE KSDAVCSSL PARK.

Biological Activity:

The ED₅₀ as determined by its ability to inhibit sRANK Ligand induced nuclear factor kappa B (NFκappaB) in RAW 264.7 cells is less than 50 ng/ml, corresponding to a specific activity of > 2.0 × 10⁴ IU/mg in the presence of 15 ng/ml of recombinant sRANK Ligand.