Soluble RANK Ligand

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human

Cat. No.:

RP1763340010	(0.01 mg)
RP1763341000	(1 mg)

Description

Recombinant HumansRANKL produced in E.Coli is a single, non-glycosylated polypeptide chain containing 176 amino acids and having a molecular mass of 20006 Dalton. The rHusRANKL is purified by proprietary chromatographic techniques.

Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Lys-Ala-Met.

Source

E. coli

Purity

Greater than 98.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Anion-exchange FPLC.
- © Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

Biological Activity

BioVendor's rHusRANKL is fully biologically active when compared to standard. The activity is determined by its ability to induce osteoclast formation in RAW264.7 cells using a conc. of 5.0-10.0 ng/ml and by dose dependent stimulation of IL-8 production in human PBMC which was found to be <10ng/ml.

Endotoxin

Less than 0.1 ng/µg (IEU/µg) of rHusRANKL.

Formulation

The protein was lyophilized from a concentrated (1mg/ml) solution containing 10mM Tris, pH-7.6 and 50mM sodium chloride.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Lyophilized rec. Human sRANKL although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution rHu 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.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

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