

Product: Soluble RANK Ligand, Human, Recombinant
Catalog #: 11-SRANKL
Amount: 5 µg

DESCRIPTION: Recombinant Human Soluble RANK Ligand (rHusRANKL)
rHusRANKL is a single, non-glycosylated polypeptide chain containing 176 amino acids and having a molecular mass of 20006 Dalton. rHusRANKL contains an affinity 6 HIS-tag at the C-terminus
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* Expression System

PURITY: Greater than 90.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHusRANKL

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm
2. Analysis by RP-HPLC, using a calibrated solution of rHusRANKL as a Reference Standard.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles.

BIOLOGICAL ACTIVITY: rHusRANKL is fully biologically active when compared to standards
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 dependant stimulation of IL-8 production in human PBMC which was found to be <10ng/ml

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