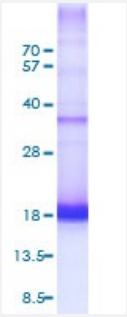
Bioactive

Tnfsf11 (Mouse) Recombinant Protein

Catalog # P6975 Size 100 ug

Applications



Result of bioactivity analysis

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Tnfsf11 (Mouse) Recombinant Protein (Cat # P6975) stimulates osteoclast differentiation of the RAW 264.7 mouse monocyte/macrophage cells. The ED50 range ≤ 2 ng/mL.

Specification

Product Description	Mouse Tnfsf11 (NP_035743, 158 a.a. - 316 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	17.9
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method).

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Activity	Measured in a osteoclast differentiation assay using RAW 264.7 mouse monocyte/macrophage cells . The ED_{50} range ≤ 2 ng/mL.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.
Recommend Usage	Bioactivity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl buffer, 0.1 M NaCl, pH 8.5.
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis Tnfsf11 (Mouse) Recombinant Protein (Cat # P6975) stimulates osteoclast differentiation of the RAW 264.7 mouse monocyte/macrophage cells. The ED50 range ≤ 2 ng/mL.

Applications

- SDS-PAGE

Gene Info — Tnfsf11

Entrez GeneID	21943
Protein Accession#	NP_035743
Gene Name	Tnfsf11
Gene Alias	Ly109l, ODF, OPG, OPGL, RANKL, Trance
Gene Description	tumor necrosis factor (ligand) superfamily, member 11
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OPG ligand|osteoclast differentiation factor|osteoprotegerin ligand|receptor activator of NF-kappa B ligand|tumor necrosis factor-related activation-induced cytokine

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