

Bioactive

Tnfsf11 (Mouse) Recombinant Protein

Catalog # P9146

Size 2 x 10 ug

Specification

Product Description	Mouse Tnfsf11 recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	PAMMEGSWLDVAQRGKPEAQPF AHLTINAASIPSGSHKVTLSWYHDRGWAKISNMTLSNGKLR VNQDGFYYLYANICFRHHETSGSVPTDYLQLMVYVKTSIKIPSSHNL MKGGSTKNWSGNSEFHFY SINVGGFFKL RAGEEISIQVSNPSLLDPDQDATYFGAFKVQDID
Host	Escherichia coli
Theoretical MW (kDa)	19.9
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	chromatographic
Purity	> 95% as determined by SDS-PAGE.
Activity	Measured by the ability to induce osteoclast formation on murine RAW264.7 cells using a concentration of 50 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^4$ IU/mg.
Isotype	Escherichia Coli.
Storage Buffer	Protein (1 mg/mL) was lyophilized from a solution containing 10 mM Na ₂ PO ₄ , pH 7.5, 50 mM NaCl. Reconstitute the lyophilized powder in ddH ₂ O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — Tnfsf11

Entrez GeneID	21943
Protein Accession#	O35235
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