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Datasheet for ABIN7534823

Osteoprotegerin Protein (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	Osteoprotegerin (TNFRSF11B)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Osteoprotegerin protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Mouse TNFRSF11B/Osteoprotegerin Protein
Sequence:	MNKWLCCALL VLLDII EWTT QETLPPKYLH YDPETGHQLL CDKCAPGYL KQHCTVRRKT LCVPCPDHSY TDSWHTSDEC VY CSPVCKEL QSVKQECNRT HNRVCECEEG RYLEIEFCLK HRSCPPGSGV VQAGTPERNT VCKKCPDGGF SGETSSKAPC IKHTNCSTFG LLLIQKGNAT HDNVCSGNRE ATQKCGIDVT LCEEAFFRFA VPTKIIPNWL SVLVDSLPGT KVNAESVERI KRRHSSQEQT FQLLKLWKHQ NRDQEMVKKI IQDIDLCESS VQRHLGHSNL TTEQLLALME SLPGKKISPE EIERTRKTCK SSEQLLKLLS LWRIKNGDQD TLKGLMYALK HLKTSHPFKT VTHSLRKTMR FLHSFTMYRL YQKLFLEMIG NQVQSVKISC L
Specificity:	Met1-Leu401
Purity:	> 87 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Product Details

Biological Activity Comment: 1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human TNFSF11 at 2 µg/mL (100 µL/well) can bind Recombinant Mouse TNFRSF11B with a linear range of 3-10 ng/mL.|2.Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED₅₀ for this effect is 0.13-0.54 ng/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.

Target Details

Target:	Osteoprotegerin (TNFRSF11B)
Alternative Name:	TNFRSF11B/Osteoprotegerin (TNFRSF11B Products)
Target Type:	Chemical
Background:	TNFRSF11B,OCIF,OPG,Osteoprotegerin,TR1,TNFRSF11B
Gene ID:	18383
UniProt:	O08712

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.