

Datasheet for ABIN2830379

Osteoprotegerin Protein



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Osteoprotegerin (TNFRSF11B)
Origin:	Human
Source:	Yeast
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func)

Product Details

Sequence:	ETFPPKYLHY DEETSHQLLC DKCPPGTYLK QHCTAKWKTV CAPCPDHYT DSWHTSDECL YCSPVCKELQ YVKQECNRTH NRVCECKEGR YLEIEFCLKH RSCPPGFGVV QAGTPERNVT CKRCPDGGFS NETSSKAPCR KHTNCSVFLG LLTQKGNATH DNICSGNSES TQKCGIDVTL EPKSSDKTHT CPPCPAPEFE GAPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPTPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTHP PVLDSGGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNN YTQKSLSLSP GK
Characteristics:	Biological Activity: Fully biologically active when compared to standard. The ED50 as determined by neutralizing the stimulation of U937 cells is less than 10 ng/mL, corresponding to a specific activity of <i>> 1.0 x 10⁵ IU/mg in the presence of 10 ng/mL soluble rHuRANKL (sRANKL</i>
Purity:	>95 % as determined by SDS-PAGE and HPLC.
Sterility:	0.2 µm filtered

Target Details

Target:	Osteoprotegerin (TNFRSF11B)
Alternative Name:	TNFRSF11B (TNFRSF11B Products)
Target Type:	Chemical
Background:	Relevance: Acts as decoy receptor for TNFSF11/RANKL and thereby neutralizes its function in osteoclastogenesis. Inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local ratio between TNFSF11 and TNFRSF11B. May also play a role in preventing arterial calcification. May act as decoy receptor for TNFSF10/TRAIL and protect against apoptosis. TNFSF10/TRAIL binding blocks the inhibition of osteoclastogenesis. {ECO:0000269 PubMed:22664871, ECO:0000269 PubMed:9168977}. Synonyms: Osteoclastogenesis inhibitory factor,
Molecular Weight:	109.6 kDa
UniProt:	O00300

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	20 mM PB, pH 6.0, 150 mM NaCl, 0.02 % Tween-80
Storage:	-20 °C