

Product datasheet for **AR52077PU-N**

Osteoprotegerin / TNFRSF11B (22-401, His-tag) Mouse Protein

Product data:

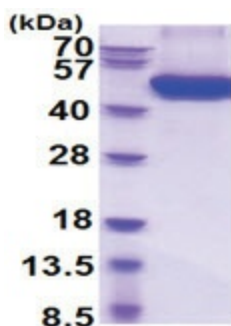
Product Type:	Recombinant Proteins
Description:	Osteoprotegerin / TNFRSF11B (22-401, His-tag) mouse protein, 0.25 mg
Species:	Mouse
Expression cDNA Clone or AA Sequence:	ETLPPKYLHY DPETGHQLLC DKCAPGTYLK QHCTVRRKTL CVPCPDHSYT DSWHTSDECV YCSPVCKELQ SVKQECNRTH NRVCECEEGR YLEIEFCLKH RSCPPGSGVW QAGTPERNV CKKCPDGFSS GETSSKAPCI KHTNCSTFGL LLIQKGNATH DNVCSGNREA TQKCGIDVTL CEEAFFRFAV PTKIIPNWLS VLVDSLPGTK VNAESVERIK RRHSSQEQTQF QLLKLWKHQN RDQEMVKKII QDIDLCESSV QRHLGHSNLT TEQLLALMES LPGKKISPEE IERTRKTCKS SEQLLKLLSL WRIKNGDQDT LKGLMYALKH LKTSHFPKTV THSLRKTMRP LHSFTMYRLY QKLFLEMIGN QVQSVKISCL LEHHHHHH
Tag:	His-tag
Predicted MW:	44.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_032790
Locus ID:	18383
UniProt ID:	O08712 , Q3UK97
Cytogenetics:	15 D1
Synonyms:	OCIF; Opg; TR1



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Summary:

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.[UniProtKB/Swiss-Prot Function]

Product images:

15% SDS-PAGE (3ug)