



Recombinant Rat Tumor necrosis factor receptor superfamily member 11B (Tnfrsf11b)

Product Code	CSB-MP023969RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O08727
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	ETFPKYLH YDPETGRQLL CDKCAPGTYL KQHCTVRRKT LCVPCPDYSY TDSWHTSDEC VYCSPVCKEL QTVKQECNRT HNRVCECEEG RYLELEFCLK HRSCPPGLGV LQAGTPERNT VCKRCPDGFF SGETSSKAPC RKHTNCSSLG LLLIQKGNAT HDNVCSGNRE ATQNCGIDVT LCEEAFFRFA VPTKIIPNWL SVLVDLPGT KVNAESVERI KRRHSSQEQT FQLLKLWKHQ NRDQEMVKKI IQDIDLCESS VQRHIGHANL TTEQLRILME SLPGKKISPD EIERTRKTCK PSEQLLKLLS LWRIKNGDQD TLKGLMYALK HLKAYHFPKT VTHSLRKTIR FLHSFTMYRL YQKLFLEMIG NQVQSVKISC L
Source	Mammalian cell
Target Names	Tnfrsf11b
Protein Names	Recommended name: Tumor necrosis factor receptor superfamily member 11B Alternative name(s): Osteoprotegerin
Expression Region	22-401
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand, both of which are key extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest that this protein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of this gene have been reported, but their full length nature has not been determined.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.