



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

<b>Product Code</b>	CSB-EP023969RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O08727
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ETFPKYLH YDPETGRQLL CDKCAPGTYL KQHCTVRRKT LCVPCPDYSY TDSWHTSDEC VYCSVPCKEL QTVKQECNRT HNRVCECEEG RYLELEFCLK HRSCPPGLGV LQAGTPERNT VCKRCPDGGF 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
<b>Source</b>	E.coli
<b>Target Names</b>	Tnfrsf11b
<b>Protein Names</b>	Recommended name: Tumor necrosis factor receptor superfamily member 11B Alternative name(s): Osteoprotegerin
<b>Expression Region</b>	22-401
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.