



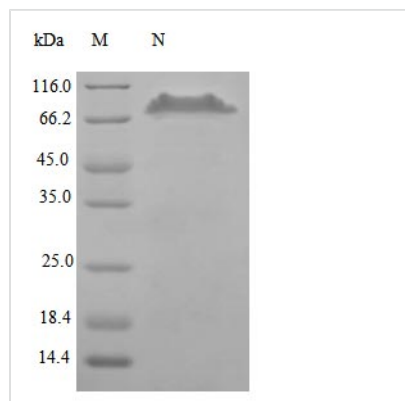
# Recombinant Human Tumor necrosis factor receptor superfamily member 11B protein (TNFRSF11B), partial (Active)

<b>Product Code</b>	CSB-AP002991HU
<b>Abbreviation</b>	Recombinant Human TNFRSF11B protein, partial (Active)
<b>Uniprot No.</b>	O00300
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2µm filtered 20 mM PB, pH 6.0, 150 mM NaCl, 0.02 % Tween-80
<b>Product Type</b>	Tumor Necrosis Factor
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	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 $>1.0 \times 10^5$ IU/mg in the presence of 10 ng/mL soluble rHuRANKL (sRANKL).
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Sequence</b>	ETFPKYLHY DEETSHQLLC DKCPPGTYLK QHCTAKWKT VCAPCPDHYYT DSWHTSDECL YCSPVCKELQ YVKQECNRTH NRVCECKEGR YLEIEFCLKH RSCPPGFGVV QAGTPERN TVCKRCPDGGFFS NETSSKAPCR KHTNCSVFGL LLTQKGNATH DNICSGNSES TQKCGIDVTL+ EPKSSDKTHT CPPCPAPEFE GAPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPTPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYK TTP PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GK
<b>Research Area</b>	Immunology
<b>Source</b>	Yeast
<b>Target Names</b>	TNFRSF11B
<b>Expression Region</b>	22-201aa
<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>	C-terminal hFc-tagged
<b>Mol. Weight</b>	109.6 kDa
<b>Protein Length</b>	Partial
<b>PubMed ID</b>	9108485; 9492069; 9688283; 14702039; 16421571; 15489334; 9571159; 15340161; 12110935; 9168977; 9603945; 9478964; 11505389; 22664871;



12189164

## Image



## Description

The Recombinant Human TNFRSF11B protein, also known as Osteoclastogenesis inhibitory factor, a valuable tool for immunology research. TNFRSF11B, encoded by the TNFRSF11B gene (also known as OCIF or OPG), is a member of the tumor necrosis factor receptor superfamily, with crucial implications in bone metabolism and immunoregulation.

Our protein is produced using yeast expression system and encompasses amino acids 22 to 201, representing a partial length of the TNFRSF11B sequence. It features a C-terminal Fc-tag, allowing for easy purification and enhanced stability. With a purity exceeding 95% and minimal endotoxin contamination, our TNFRSF11B protein guarantees reliable and consistent results.

Experience its remarkable activity in neutralizing the stimulation of U937 cells with an ED50 of less than 10 ng/ml in the presence of soluble rHuRANKL. This lyophilized powder form ensures ease of handling and storage. Unlock the potential of TNFRSF11B in your immunology research and advance our understanding of bone biology and immune regulation.

### Endotoxin

Less than 1.0 EU/μg as determined by LAL method.

### 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.