

Recombinant Rat Tnfsf11 protein, His & T7-tagged

Cat. No. Tnfsf11-7836R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tnfsf11 aa. (Glu106~Met240 (Accession # Q9ESE2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Glu106~Met240
Description	Induces osteoclast formation and bone resorption; plays a role in regulation of calcium homeostasis and osteoclast function.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.9.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer

Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name

[Tnfsf11](#) TNF superfamily member 11 [[Rattus norvegicus \(Norway rat\)](#)]

Official Symbol

[Tnfsf11](#)

Synonyms

Tnfsf11; TNF superfamily member 11; RANKL; tumor necrosis factor ligand superfamily member 11; ODF; OPGL; TNF-related activation-induced cytokine; TRANCE; osteoclast differentiation factor; osteoprotegerin ligand; receptor activator of nuclear factor kappa-B ligand; tumor necrosis factor (ligand) superfamily, member 11; tumor necrosis factor superfamily member 11

Gene ID

[117516](#)

mRNA Refseq

[NM_057149.1](#)

Protein Refseq

[NP_476490.1](#)

UniProt ID

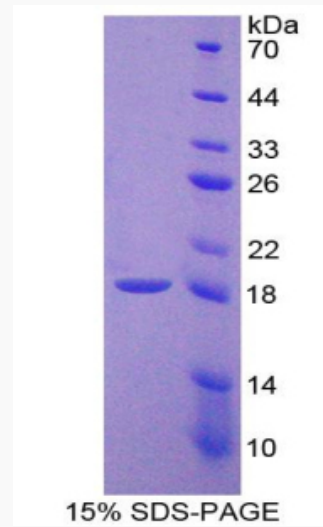
[Q9ESE2](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA