

Datasheet for ABIN7198423
TNFRSF11A Protein (Fc Tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	TNFRSF11A
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF11A protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Rat RANK/TNFRSF11A Protein (Fc Tag)
Sequence:	Met1-Pro213
Characteristics:	A DNA sequence encoding the rat TNFRSF11A (Met1-Pro213) was expressed, fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 80 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	TNFRSF11A
Alternative Name:	RANK/TNFRSF11A (TNFRSF11A Products)
Background:	Background: TNFRSF11A is a member of the TNF-receptor superfamily. In mouse, it is also known as CD265. TNFRSF11A contains 4 TNFR-Cys repeats and is widely expressed with high levels in skeletal muscle, thymus, liver, colon, small intestine and adrenal gland. It is an essential

Target Details

mediator for osteoclast and lymph node development. TNFRSF11A and its ligand are important regulators of the interaction between T cells and dendritic cells. It can interact with various TRAF family proteins, through which this receptor induces the activation of NF-kappa B and MAPK8/JNK. Defects in TNFRSF11A can cause familial expansile osteolysis (FEO). FEO is a rare autosomal dominant bone disorder characterized by focal areas of increased bone remodeling. Defects in TNFRSF11A also can cause Paget disease of bone type 2 (PDB2). PDB2 is a bone-remodeling disorder with clinical similarities to FEO. Defects in TNFRSF11A are the cause of osteopetrosis autosomal recessive type 7 which characterized by abnormally dense bone, due to defective resorption of immature bone.

Synonym: RGD1563614

Molecular Weight: 47.1 kDa

NCBI Accession: [NP_001258164](#)

Pathways: [NF-kappaB Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

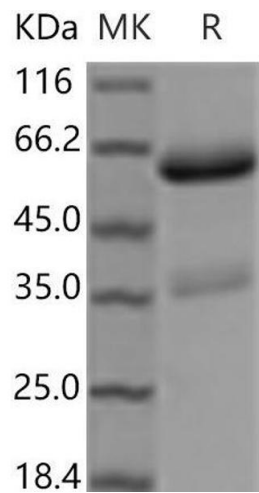
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.