

## Recombinant Mouse Tnfsf11 Protein (Ala73-Asp316), C-His tagged

Cat. No. Tnfsf11-6784M Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

Recombinant mouse Tnfsf11 (Ala73-Asp316) fused with the C-terminal His tag was expressed in mammalian cells.

#### Species

Mouse

#### Source

Mammalian Cells

#### ProteinLength

Ala73-Asp316

#### Description

Enables identical protein binding activity and tumor necrosis factor receptor superfamily binding activity. Involved in several processes, including intracellular signal transduction; positive regulation of secretion by cell; and tumor necrosis factor-mediated signaling pathway. Acts upstream of or within several processes, including animal organ development; cellular response to cytokine stimulus; and positive regulation of intracellular signal transduction. Predicted to be located in cytoplasm; extracellular space; and plasma membrane. Predicted to be integral component of membrane. Is expressed in genitourinary system; hemolymphoid system; hindlimb long bone; and lymphatic system. Used to study autosomal recessive osteopetrosis 2 and osteoporosis. Human ortholog (s) of this gene implicated in autosomal recessive osteopetrosis 2 and osteoporosis. Orthologous to human TNFSF11 (TNF superfamily member 11).

#### Form

Lyophilized powder/frozen liquid

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<b>Molecular Mass</b>	26.84 kDa
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Notes</b>	For research use only.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
<b>Storage Buffer</b>	Supplied as solution form in PBS or lyophilized from PBS.
<b>Reconstitution</b>	Reconstitute in sterile water for a stock solution.
<b>Shipping</b>	They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	Tnfsf11 tumor necrosis factor (ligand) superfamily, member 11 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Tnfsf11
<b>Synonyms</b>	TNFSF11; tumor necrosis factor (ligand) superfamily, member 11; tumor necrosis factor ligand superfamily member 11; CD254; ODF; OPGL; RANKL; TRANCE; osteoprotegerin ligand; osteoclast differentiation factor; TNF-related activation-induced cytokine; receptor activator of nuclear factor kappa B ligand; receptor activator of nuclear factor kappa-B ligand; sOdf; OPTB2; hRANKL2;
<b>Gene ID</b>	21943

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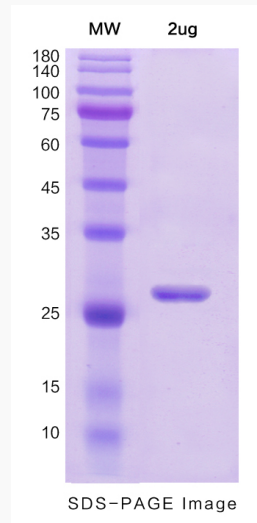
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mRNA Refseq [NM\\_011613](#)

Protein Refseq [NP\\_035743](#)

UniProt ID [O35235](#)

**SDS-PAGE**



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