

Active Recombinant Human TNFSF11

Cat. No. TNFSF11-251H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF11 (Accession # AAC51762) was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 µ filtered solution in MOPS and NaCl with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce osteoclast differentiation of RAW 264.7 mouse monocyte/macrophage cells. The ED50 for this effect is typically 1.5-7.5 ng/mL in the presence of 2.5 µg/mL of a cross-linking antibody, Mouse Anti-polyHistidine Monoclonal Antibody.
Molecular Mass	Recombinant Human TNFSF11 has a calculated MW of 23 kDa. In SDS-PAGE migrates as 35 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution Reconstitute at 100 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name TNFSF11 tumor necrosis factor (ligand) superfamily, member 11 [Homo sapiens]

Official Symbol TNFSF11

Synonyms 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;

Gene ID 8600

mRNA Refseq NM_003701

Protein Refseq NP_003692

MIM 602642

UniProt ID O14788

Chromosome Location 13q14

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