Active Recombinant Human TNFSF11, Met-tagged

Cat. No. TNFSF11-252H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF11 (Accession # AAC51762) Arg85-Asp245, fused with an N-terminal Met, was produced in E. coli-derived.
Species	Human
Source	E.coli
ProteinLength	85-245 a.a.
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 μm filtered solution in MES 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 2-12 ng/mL.
Molecular Mass	Recombinant Human TNFSF11, Met-tagged has a calculated MW of 18.3 kDa. In SDS-PAGE migrates as 19 kDa, reducing conditons.
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 (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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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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