Recombinant Human TNFSF11, FLAG-tagged

Cat. No. TNFSF11-473H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human RANKL (aa 152-317) is fused at the N-terminus to a FLAG-tag.
Species	Human
Source	HEK293
ProteinLength	152-317 a.a.
Description	RANKL is an osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive T cell proliferation. Important regulator of interactions between T cells and dendritic cells and may play a role in the regulation of the T cell-dependent immune response. RANKL plays an important role in the progression of breast cancer.
Form	Lyophilized. Contains PBS.
Molecular Mass	~28kDa (SDS-PAGE)
Purity	≥95% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.

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Concentration	0.1mg/ml after reconstitution.

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
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL6-mediated signaling events, organism-specific biosystem; Osteoblast Signaling, organism-specific biosystem; Osteoclast Signaling, organism-specific biosystem; Osteoclast differentiation,

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	organism-specific biosystem; Osteoclast differentiation, conserved biosystem;
Function	cytokine activity; cytokine activity; receptor activity; tumor necrosis factor receptor binding; tumor necrosis factor receptor superfamily binding;

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