Active Recombinant Human TNFSF4

Cat. No. TNFSF4-27254TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF4 was expressed in Hi-5 Insect cells.
Species	Human
Source	Hi-5 Insect Cells
ProteinLength	51-183 aa
Description	This gene encodes a cytokine of the tumor necrosis factor (TNF) ligand family. The encoded protein functions in T cell antigen-presenting cell (APC) interactions and mediates adhesion of activated T cells to endothelial cells. Polymorphisms in this gene have been associated with Sjogren's syndrome and systemic lupus erythematosus. Alternative splicing results in multiple transcript variants.
Bio-activity	Determined by its ability to stimulate IL-8 production by human PBMC using a concentration range of 30-100 ng/ml. Note: Results may vary with PBMC donors.
Molecular Mass	15 kDa
AA Sequence	QVSHRYPRIQSIKVQFTEYKKEKGFILTSQKEDEIMKVQNNSVIINCDGFYLISLKGYF SQEVNISLHYQKDEEP LFQLKKVRSVNSLMVASLTYKDKVYLNVTTDNTSLDDFHVN GGELILIHQNPGEFCVL
Endotoxin	Endotoxin level is <0.1 ng/μg of protein (<1EU/μg).

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Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Resuspend the protein in the desired concentration in proper buffer
Storage Buffer	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer,100mM NaCl, pH 7.2

GENE INFORMATION

Gene Name	TNFSF4 tumor necrosis factor (ligand) superfamily, member 4 [Homo sapiens (human)]
Official Symbol	TNFSF4
Synonyms	TNFSF4; tumor necrosis factor (ligand) superfamily, member 4; tax transcriptionally activated glycoprotein 1, 34kD , TXGP1; tumor necrosis factor ligand superfamily member 4; CD252; gp34; OX 40L
Gene ID	7292
mRNA Refseq	NM_003326
Protein Refseq	NP_003317
MIM	603594
UniProt ID	P23510
Chromosome Location	1q25
Pathway	Cytokine-cytokine receptor interaction; TSLP Signaling Pathway

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Function	cytokine activity; receptor binding; tumor necrosis factor receptor binding; tumor necrosis factor receptor superfamily binding

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