

Recombinant Human TNFRSF14, Fc-tagged

Cat. No. TNFRSF14-30480TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TNFRSF14-Fc Chimera is a 376 amino acid fusion protein containing an N-terminal domain corresponding to the extracellular region of TNFRSF14 and a C-terminal domain corresponding to residues 102 to 330 of human IgG1.
Species	Human
Description	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor was identified as a cellular mediator of herpes simplex virus (HSV) entry. Binding of HSV viral envelope glycoprotein D (gD) to this receptor protein has been shown to be part of the viral entry mechanism. The cytoplasmic region of this receptor was found to bind to several TRAF family members, which may mediate the signal transduction pathways that activate the immune response.
Conjugation	Fc
Tissue specificity	Widely expressed, with the highest expression in lung, spleen and thymus.
Biological activity	Biological Activity : Determined by its ability to neutralize 0.25 ng/ml of hTNFbeta induced cytotoxicity on murine L929 cells. The expected ED50 for this effect is 1.3-1.9 µg/ml of TNFRSF14.
Form	Lyophilised
Purity	>95% by SDS-PAGE

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Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Contains 3 TNFR-Cys repeats.
GENE INFORMATION	
Gene Name	TNFRSF14 tumor necrosis factor receptor superfamily, member 14 [Homo sapiens]
Official Symbol	TNFRSF14
Synonyms	TNFRSF14; tumor necrosis factor receptor superfamily, member 14; tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator); tumor necrosis factor receptor superfamily member 14; ATAR; CD270; herpesvirus entry mediator; HVEA; HVEM;
Gene ID	8764
mRNA Refseq	NM_003820
Protein Refseq	NP_003811
MIM	602746
Uniprot ID	Q92956
Chromosome Location	1p36.32
Pathway	Adaptive Immune System, organism-specific biosystem; Costimulation by the CD28 family, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

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Herpes simplex infection, organism-specific biosystem;

Function

protein binding; receptor activity; tumor necrosis factor-activated receptor activity;

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