

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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