

Active Recombinant Human TNFRSF14, Fc-tagged, Biotinylated

Cat. No. TNFRSF14-624H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human HVEM-Fc fusion is expressed as a 388 amino acid protein consisting of Leu39 - Ser199 region of HVEM (UniProt accession #Q92956) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	39-199 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its ligands, BTLA/CD272, TNF- β and LIGHT, and inhibits TNF- β - and LIGHT-mediated signaling activities including cytotoxicity in L-929 mouse fibroblast cells.
Molecular Mass	Calculated molecular mass (kDa): 42.4; Estimated by SDS-PAGE under reducing condition (kDa): 55-60
Endotoxin	<0.1 eu per 1 μ g of purified recombinant protein determined by the lal">
Purity	>95% judged by SDS-PAGE under reducing condition

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Storage

The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation

Biotin

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; LIGHTR; TR2; CD40-like protein; herpesvirus entry mediator A; herpes virus entry mediator A; tumor necrosis factor receptor-like 2; tumor necrosis factor receptor-like gene2;

Gene ID

8764

mRNA Refseq

NM_003820

Protein Refseq

NP_003811

MIM

602746

UniProt ID

Q92956

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**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; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Immune System, organism-specific biosystem;

Function

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

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