

Active Recombinant Human TNFRSF14 Protein, Fc & Avi-tagged, Biotinylated

Cat. No. TNFRSF14-625H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human HVEM / TNFRSF14, Fc Tag (HV4-H82F1) is expressed from human HEK293 cells. It contains AA Leu 39 - Val 202 (Accession # NP_003811).
Species	Human
Source	HEK293
ProteinLength	39-202 a.a.
Predicted N Terminal	Leu 39
Form	Lyophilized from sterile 50 mM tris, 100 mM glycine, pH7.5, 10% Trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA against immobilized Human TNF-beta (1 µg/well). The linear range is 0.6-10 µg/mL.
Molecular Mass	This protein carries a human IgG1 Fc fragment at the C-terminus, followed by an Avi tag. The protein has a calculated MW of 45.8 kDa. The protein migrates as 55-66 kDa on a SDS-PAGE gel under reducing condition due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
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

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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; 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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