

Active Recombinant Human TNFRSF14 Protein, Fc-tagged

Cat. No. TNFRSF14-878H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF14 fused with Fc tag at C-terminal was expressed in Hi-5 Insect cells.
Species	Human
Source	Hi-5 Insect Cells
Description	This gene encodes a member of the TNF (tumor necrosis factor) receptor superfamily. The encoded protein functions in signal transduction pathways that activate inflammatory and inhibitory T-cell immune response. It binds herpes simplex virus (HSV) viral envelope glycoprotein D (gD), mediating its entry into cells. Alternative splicing results in multiple transcript variants.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bio-activity	Determined by its ability to neutralize 0.25 ng/ml of hTNF β induced cytotoxicity on murine L929 cells. The expected ED50 for this effect is 1.3-1.9 ug/mL of HVEM-Fc.
Molecular Mass	41 kDa
AA Sequence	LPSCKEDEYPVGSECCPKCSPGYRVKEACGELTGTVCEPCPPGTYYIAHLNGLSKCL QCQMCDPAMGLRASRNCSRTENAVCGCSPGHFCIVQDGDHCAACRAYATSSPGQ RVQKGGTESQDTLCQNCPPGTFSPNGTLEECQHQTKRSCDKTHTCPPCPAPELLG GPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPR

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EEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVY
 TLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGGSFFL
 YSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Resuspend the protein in the desired concentration in proper buffer

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

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