

## Recombinant Human TNFRSF14, Fc-His

**Cat. No.** TNFRSF14-1691H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNFRSF14 was expressed in a mouse myeloma cell line, NSO. The DNA sequence encoding the extracellular domain of human HVEM was fused to the carboxy-terminal 6X histidine-tagged region of human IgG1 via a linker peptide and inserted into a suitable expression vector.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	Tumor necrosis factor receptor superfamily member 14 (herpesvirus entry mediator), also known as TNFRSF14, is the cellular receptor for TNF superfamily 14 (LIGHT). TNFRSF14 is a type I membrane protein that is considered as a Herpesvirus entry mediator. It is able to inhibit the proliferation, activation, and cytokine production of T cells. TNFRSF14 is expressed by peripheral blood T cells, B cells, monocytes and in various tissues enriched in lymphoid cells.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Human TNFRSF14 is Mr 45 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 60 kDa.
<b>Amino Acid Sequence</b>	N-Terminus: human HVEM (Met 1 - Val 202); IEGRMD Human IgG1 (Pro 100 - Lys 330); HHHHHH C-Terminus.
<b>State Of Matter</b>	Lyophilized.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Formulation</b>	This recombinant protein was 0.2 µm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives present.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<0.1 ng per 1 g as determined by the LAL method.
<b>Biological Activity</b>	The biological activity of Human HVEM-Fc was determined by its ability to inhibit apoptosis of mouse L-929 cells treated with 0.1 ng/mL of rhTNF-β. The expected ED50 for this effect is typically 0.5 - 2 µg/mL.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	TNFRSF14 tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator) [ Homo sapiens ]
<b>Synonyms</b>	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator); TR2; ATAR; HVEA; HVEM; LIGHTR; TNFRSF14; tumor necrosis factor receptor superfamily, member 14; CD40-like protein; herpesvirus entry mediator A; tumor necrosis factor receptor-like gene2; OTTHUMP00000000866; Herpesvirus entry mediator A; Tumor necrosis factor receptor-like 2
<b>Gene ID</b>	8764

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>mRNA Refseq</b>	NM_003820
<b>Protein Refseq</b>	NP_003811
<b>MIM</b>	602746
<b>UniProt ID</b>	Q92956
<b>Chromosome Location</b>	1p36.3-p36.2
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Signaling in Immune system
<b>Function</b>	tumor necrosis factor receptor activity; transmembrane receptor activity; protein binding

PDB rendering based on 1jma.



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA