

# Recombinant Human Tumor Necrosis Factor (ligand) Superfamily, Member 14

**Cat. No.** TNFSF14-354H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Recombinant human TNFSF14 was expressed in *E. coli* and purified recombinant Human TNFSF14 protein.

### Species

Human

### Source

Human

### Description

TNFSF14 belongs to the TNF family of ligands, and can signal through the herpes virus entry mediator type A receptor (HVEM, TNFRSF14), LTbetaR, or bind to a decoy receptor, DcR3. It is expressed in splenocytes, activated PBL, CD+8 tumor infiltrating lymphocytes, granulocytes, and monocytes. TNFSF14 has the ability to activate NF kb, to co-stimulate the activation of lymphocytes and to induce apoptosis in certain human tumor cells.

### Form

Supplied as lyophilized powder.

### Purity

> 98% pure by SDS-PAGE and HPLC

### Sequence

1-248 amino acids: MERASLIQKA KLA EQAERYE DMAAFMKGAV EKGEELSCEE  
 RNLLSVAYKN VVGGQRAAWR VLSSIEQKSNEEGSEEKGPE VREYREKVET  
 ELQGVCDTVL GLLDSHLIKE AGDAESRVFY LKMKGDYYRY  
 LAEVATGDDKKRIIDSARSA YQEAMDISKK EMPPTNPIRL GLALNFSVFH  
 YEIANSPEEA ISLAKTTFDE AMADLHTLSEDSYKD

 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>Molecular Mass</b>	20.1 kDa
<b>Applications</b>	Numerous applications are possible with this product and should be tested by the enduser under their own laboratory conditions.
<b>Storage</b>	Store at 4 deg C until reconstitution. Following reconstitution aliquot and freeze at -20 degC for long term storage. Avoid repeated freeze/thaw cycles.
<b>Official Symbol</b>	TNFSF14

## GENE INFORMATION

<b>Gene Name</b>	TNFSF14 tumor necrosis factor (ligand) superfamily, member 14 [ Homo sapiens ]
<b>Synonyms</b>	TNFSF14; tumor necrosis factor(ligand) superfamily, member 14; LTg; TR2; CD258; HVEM-L; LIGHT; delta transmembrane LIGHT; herpesvirus entry mediator A; ligand for herpesvirus entry mediator; tumor necrosis factor receptor-like 2; tumor necrosis factor superfamily member LIGHT; CD258 antigen; Herpesvirus entry mediator-ligand; ligand for herpesvirus entry mediator; tumor necrosis factor ligand superfamily, member 14; HVEM-L; Tumor necrosis factor ligand superfamily member 14, membrane form; Tumor necrosis factor ligand superfamily member 14, soluble form
<b>Gene ID</b>	8740
<b>mRNA Refseq</b>	NM_003807
<b>Protein Refseq</b>	NP_003798
<b>MIM</b>	604520
<b>UniProt ID</b>	O43557

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<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Herpes simplex infection
<b>Function</b>	caspase inhibitor activity; cytokine activity; tumor necrosis factor receptor binding

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