Active Recombinant Human TNFSF14

Cat. No. TNFSF14-970H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF14 (Accession # O43557), fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured in a cytotoxicity assay using HT-29 human colon adenocarcinoma cells Yu, K.Y. et al. (1999) J. Biol. Chem. 274:13733; Harrop, J.A. et al. (1998) J. Biol. Chem. 273:27548; Zhai, Y. et al. (1998) J. Clin. Invest. 102:1142.rhLIGHT at 10 ng/mL causes a 2-4.5 fold inhibition of HT29 proliferation, in the presence of 10 U/mL (1 ng/mL) rhIFN-gamma.Measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells. Conn, G. et al. (1990) Proc. Natl. Acad. Sci. USA 87:1323.The ED50 for this effect is typically 1-4 ng/mL.
Molecular Mass	Recombinant Human TNFSF14 has a calculated MW of 20.9 kDa. In SDS-PAGE migrates as 25 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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	lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

GENE INFORMATION

Gene Name	TNFSF14 tumor necrosis factor (ligand) superfamily, member 14 [Homo sapiens]
Official Symbol	TNFSF14
Synonyms	TNFSF14; tumor necrosis factor (ligand) superfamily, member 14; tumor necrosis factor ligand superfamily member 14; CD258; HVEM L; LIGHT; LTg; delta transmembrane LIGHT; herpesvirus entry mediator A; herpesvirus entry mediator ligand; herpesvirus entry mediator-ligand; herpes virus entry mediator ligand; ligand for herpesvirus entry mediator; tumor necrosis factor receptor-like 2; tumor necrosis factor superfamily member LIGHT; TR2; HVEML;
Gene ID	8740
mRNA Refseq	NM_003807
Protein Refseq	NP_003798
MIM	604520
UniProt ID	O43557
Chromosome Location	19p13.3

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