

Recombinant Human tumor necrosis factor receptor superfamily, member 14 Protein, Flag tagged

Cat. No. TNFRSF14-029H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant mouse TNF-alpha protein (P06804) (Leu 80-Leu 235) with a Flag tag at the C-terminus was expressed in HEK293.

Species

Human

Source

HEK293

ProteinLength

39-202aa

Description

Receptor for four distinct ligands: The TNF superfamily members TNFSF14/LIGHT and homotrimeric LTA/lymphotoxin-alpha and the immunoglobulin superfamily members BTLA and CD160, altogether defining a complex stimulatory and inhibitory signaling network. Signals via the TRAF2-TRAF3 E3 ligase pathway to promote immune cell survival and differentiation. Participates in bidirectional cell-cell contact signaling between antigen presenting cells and lymphocytes. In response to ligation of TNFSF14/LIGHT, delivers costimulatory signals to T cells, promoting cell proliferation and effector functions. Interacts with CD160 on NK cells, enhancing IFNG production and anti-tumor immune response. In the context of bacterial infection, acts as a signaling receptor on epithelial cells for CD160 from intraepithelial lymphocytes, triggering the production of antimicrobial proteins and pro-inflammatory cytokines.

Tag

C-Flag

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

| | |
|-----------------------|---|
| Molecular Mass | 19 kDa |
| Endotoxin | Less than 1.0 EU/μg by the LAL method. |
| Purity | >95% as determined by SDS-PAGE. |
| Storage | Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage Buffer | Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol. |
| Reconstitution | Reconstitute at 250 μg/mL in sterile water. |

GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | TNFRSF14 tumor necrosis factor receptor superfamily, member 14 [Homo sapiens (human)] |
| 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 |

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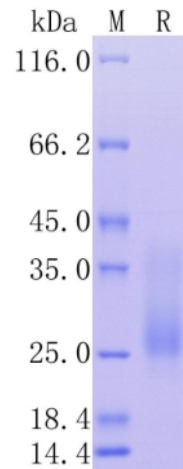
mRNA Refseq [NM_003820](#)

Protein Refseq [NP_003811](#)

MIM [602746](#)

UniProt ID [Q92956](#)

Protein on SDS-PAGE under reducing (R) condition.



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