

# Recombinant Human RELT/TNFRSF19L Protein (His & Fc Tag)



Catalog Number:PKSH031544

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

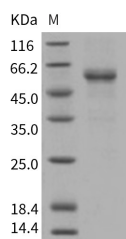
## Description

<b>Synonyms</b>	Tumor necrosis factor receptor superfamily member 19L;TNFRSF19L;Receptor expressed in lymphoid tissues;RELT
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met 1-Ala 160
<b>Accession</b>	NP_116260.2
<b>Calculated Molecular Weight</b>	42 kDa
<b>Observed molecular weight</b>	55-60 kDa
<b>Tag</b>	C-His-Fc

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

Receptor expressed in lymphoid tissues (RELT); also known as tumor necrosis factor receptor superfamily; member 19-like (TNFRSF19L); is a member of the TNF-receptor superfamily. This receptor is especially abundant in hematologic tissues. It has been shown to activate the NF-kappaB pathway and selectively bind TNF receptor-associated factor 1. RELT/TNFRSF19L is capable of stimulating T-cell proliferation in the presence of CD3 signaling; which suggests its regulatory role in immune response. RELT/TNFRSF19L is a type I transmembrane glycoprotein with a cysteine-rich extracellular domain; possessing significant homology to other members of the TNFR superfamily; especially TNFRSF19; DR3; OX40; and LTbeta receptor. RELT/TNFRSF19L is able to activate the NF-kappaB pathway and selectively binds

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tumor necrosis factor receptor-associated factor 1. RELT/TNFRSF19L is able to activate the NF- $\kappa$ B pathway and selectively binds tumor necrosis factor receptor-associated factor 1. Although the soluble form of RELT fusion protein does not inhibit the one-way mixed lymphocyte reaction; immobilized RELT/TNFRSF19L is capable of costimulating T-cell proliferation in the presence of CD3 signaling.

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