

ARG70470 Human CD153 / CD30 Ligand recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Human TNFSF8 recombinant protein
Tested Application	SDS-PAGE
Target Name	CD153 / CD30 Ligand
Species	Human
A.A. Sequence	Gln63 - Asp234
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce IL-8 secretion in human PBMCs using a concentration range of 10 - 100 ng/mL. Note: Results may vary from different PBMC donors.
Alternate Names	TNFSF8; TNF Superfamily Member 8; CD30LG; CD153; Tumor Necrosis Factor (Ligand) Superfamily, Member 8; Tumor Necrosis Factor Ligand Superfamily Member 8; CD153 Antigen; CD30 Ligand; CD30-L; CD30L; Tumor Necrosis Factor Superfamily Member 8; Tumor Necrosis Factor Ligand 3A; CD30 Antigen Ligand; TNLG3A

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

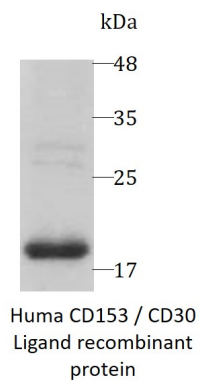
Bioinformation

Gene Symbol	TNFSF8
Gene Full Name	TNF Superfamily Member 8
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. The engagement of this cytokine expressed on B cell surface plays an inhibitory role in modulating Ig class switch. This cytokine was shown to enhance cell proliferation of some lymphoma cell lines, while to induce cell death and reduce cell

proliferation of other lymphoma cell lines. The pleiotropic biologic activities of this cytokine on different CD30+ lymphoma cell lines may play a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas. Two transcript variants encoding different isoforms have been found for this gene.

Function	Cytokine that binds to TNFRSF8/CD30. Induces proliferation of T-cells.
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Membrane

Images



ARG70470 Human CD153 / CD30 Ligand recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70470 Human CD153 / CD30 Ligand recombinant protein (Active) (His-tagged, C-ter)