

# Recombinant Human CD30L/TNFSF8 protein (His Tag)

Catalog Number: PDMH100068



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

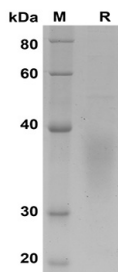
## Description

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| <b>Species</b>      | Human                                                                                |
| <b>Source</b>       | HEK293 Cells-derived Human CD30L/TNFSF8 protein Gln63-Asp234, with an C-terminal His |
| <b>Mol_Mass</b>     | 18.8 kDa                                                                             |
| <b>Accession</b>    | P32971                                                                               |
| <b>Bio-activity</b> | Not validated for activity                                                           |

## Properties

|                       |                                                                                                                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 90% as determined by reducing SDS-PAGE.                                                                                                                                                                                              |
| <b>Endotoxin</b>      | < 1.0 EU/mg 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 a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.                                                                                                                                                  |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.                                                                                               |

## Data



SDS-PAGE analysis of Human CD30L/TNFSF8 proteins,  
2µg/lane of Recombinant Human CD30L/TNFSF8 proteins  
was resolved with SDS-PAGE under reducing conditions,  
showing bands at 30-40 KD.

## Background

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Rev. V4.0

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CD30 ligand (CD30L), also known as CD153 and TNFSF8, is a membrane-associated glycoprotein belonging to the TNF superfamily and TNFR superfamily, and is a specific ligand for CD30/TNFRSF8 originally described as a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. CD30L is a type-II membrane glycoprotein expressed on activated T cells, stimulated monocyte-macrophages, granulocytes, eosinophils, and some Burkitt-like lymphoma cell lines. CD30L is capable of transducing signals through CD30 on different CD30+ lymphoma cell lines, and mediates pleiotropic biologic effects including cell proliferation, activation, differentiation, as well as cell death by apoptosis. CD30-CD30 ligand interaction has been suggested to have a pathophysiologic role in malignant lymphomas, particularly Hodgkin disease, large cell anaplastic lymphomas and Burkitt lymphomas, and is also involved in activation and functioning of the T cell-dependent immune response. Thus, CD153 and its receptor CD30 are regarded as therapeutic targets in hematologic malignancies, autoimmune and inflammatory diseases.

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