Recombinant Human TNFSF8/CD30 Ligand/CD153 Protein

Catalog No.: RP01805

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Sequence Information

Species
Human

Gene ID
944

Swiss Prot
P32971

Tags
N-His

Synonyms
CD153; CD30L; CD30LG; TNLG3A; TNFSF8

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
20.47 kDa

Observed MW
30-45 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

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.

Basic Information

Description
Recombinant Human TNFSF8/CD30 Ligand/CD153 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln63-Asp234) of human TNFSF8/CD30L (Accession #NP_001235.1) fused with 6×His tag at the N-t

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

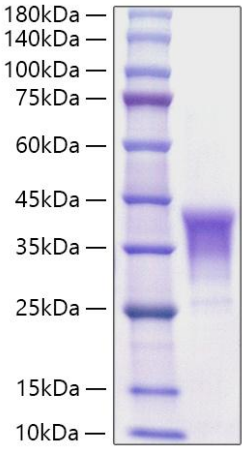
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human TNFSF8/CD30 Ligand/CD153 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.