

# **Recombinant Human TNFRSF8/CD30 Protein**

Catalog No.: RP00557 Recombinant

### **Sequence Information**

Species Gene ID Swiss Prot Human 943 P28908-1

## Tags

C-His&Avi

### **Synonyms**

CD30; CD30KI-1; CD30L receptor; TNFRSF8; D1S166EKi-1; CD30KI-1

### **Product Information**

Source Purification

HEK293 cells ≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

41.3 kDa 68-95 kDa

### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

### **Formulation**

Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### 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.

### **Contact**

### **Background**

The transmembrane receptor CD30 (TNFRSF8) and its ligand CD30L (CD153, TNFSF8) are members of the tumor necrosis factor (TNF) superfamily and display restricted expression in subpopulations of activated T-and B-cells in nonpathologic conditions. CD30 expression is upregulated in various hematological malignancies, including Reed-Sternberg cells in Hodgkin's disease (HD), anaplastic large cell lymphoma (ALCL) and subsets of Non-Hodgkin's lymphomas (NHLs).

### **Basic Information**

#### Description

Recombinant Human TNFRSF8/CD30 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe19-Lys379) of Human TNFRSF8/CD30 (Accession #P28908-1) fused with a C-His&Avi tag at the C-terminus.

#### **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

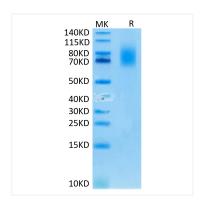
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

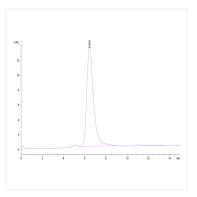
### **Operational Notes**

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

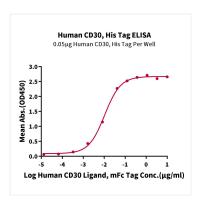
# **Validation Data**



Recombinant Human TNFRSF8/CD30 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human CD30 is greater than 95% as determined by SEC-HPLC.



Immobilized Human CD30, His Tag at 0.5  $\mu$ g/mL (100  $\mu$ L/well) on the plate. Dose response curve for Human CD30 Ligand, mFc (IgG2a) Tag with the EC<sub>50</sub> of 10.5ng/mL determined by ELISA.