

Bioactive

HuPro®

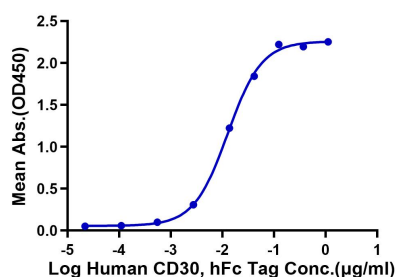
# TNFSF8 Tetramer (Human) Recombinant Protein

Catalog # P9804

Size 100 ug

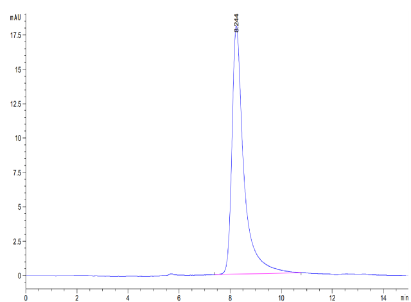
## Applications

**Human CD30 Ligand, His Tag ELISA**  
0.5µg Human CD30 Ligand, His Tag Per Well



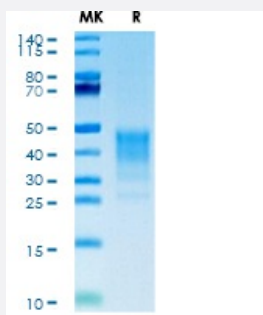
## Enzyme-linked Immunoabsorbent Assay

Immobilized Human CD30 Ligand, His Tag at 5 ug/mL (100 uL/well) on the plate. Dose response curve for Human CD30, hFc Tag with the EC50 of 8.9 ng/mL determined by ELISA.



## SEC-HPLC

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



## Tris-Bis PAGE

Human CD30 Ligand on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

## Specification

Product Description	Human TNFSF8 (P32971, Gln63-Asp234) partial recombinant protein with His tag at N-terminus expressed in HEK293 cells.
Sequence	Gln63-Asp234
Host	Human
Theoretical MW (kDa)	20.7
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC <sub>50</sub> was 8.9 ng/mL, measured by ELISA at 5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CD30 Ligand is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD30 Ligand on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

## Applications

- Enzyme-linked Immunoabsorbent Assay

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- Functional Study

- SDS-PAGE

## Gene Info — TNFSF8

Entrez GeneID [944](#)

Protein Accession# [P32971](#)

Gene Name TNFSF8

Gene Alias CD153, CD30L, CD30LG, MGC138144

Gene Description tumor necrosis factor (ligand) superfamily, member 8

Omim ID [603875](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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. [provided by RefSeq]

**Other Designations** CD153 antigen|CD30 antigen ligand|CD30 ligand|OTTHUMP00000022762

## Pathway

- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)

- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)