

## Product datasheet

# Recombinant Human CD40L protein (Soluble) ab105610

### 画像数 1

#### 製品の概要

製品名	Recombinant Human CD40L protein (Soluble)
タンパク質長	Full length protein

#### 製品の詳細

由来	Recombinant
由来	Escherichia coli
アミノ酸配列	
アクセッション番号	<a href="#">P29965</a>
生物種	Human
配列	<b>MGSSHHHHHSSGLVPRGSHMQKGDQNPQIAAHVISEASSKTTSVLQWAE KGYTMSNNLVTLENGKQLTVKRQGLYYIYAQVTFCSNREASSQAPFIAS LCLKSPGRFERILLRAANTHSSAKPCGQQSIHLGGVFELQPGASVFNVT DPSQVSHGTGFTSFGLLKL</b>
分子量	18 kDa including tags
領域	113 to 261
タグ	His tag N-Terminus
配列の追加情報	Corresponds to full length CD40 ligand, soluble form.

#### 特性

Our [Abpromise guarantee](#) covers the use of **ab105610** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE Mass Spectrometry
質量分析	MALDI-TOF
精製度	> 95 % SDS-PAGE. Purified using conventional chromatography techniques.
製品の状態	Liquid

## 前処理および保存

### 保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Preservative: None

Constituents: 40% Glycerol, 0.2M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0

## 関連情報

### 機能

Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL-4. Involved in immunoglobulin class switching.

Release of soluble CD40L from platelets is partially regulated by GP IIb/IIIa, actin polymerization, and an matrix metalloproteinases (MMP) inhibitor-sensitive pathway.

### 組織特異性

Specifically expressed on activated CD4+ T-lymphocytes.

### 関連疾患

Defects in CD40LG are the cause of X-linked immunodeficiency with hyper-IgM type 1 (HIGM1) [MIM:308230]; also known as X-linked hyper IgM syndrome (XHIM). HIGM1 is an immunoglobulin isotype switch defect characterized by elevated concentrations of serum IgM and decreased amounts of all other isotypes. Affected males present at an early age (usually within the first year of life) recurrent bacterial and opportunistic infections, including *Pneumocystis carinii* pneumonia and intractable diarrhea due to cryptosporidium infection. Despite substitution treatment with intravenous immunoglobulin, the overall prognosis is rather poor, with a death rate of about 10% before adolescence.

### 配列類似性

Belongs to the tumor necrosis factor family.

### 翻訳後修飾

The soluble form derives from the membrane form by proteolytic processing.

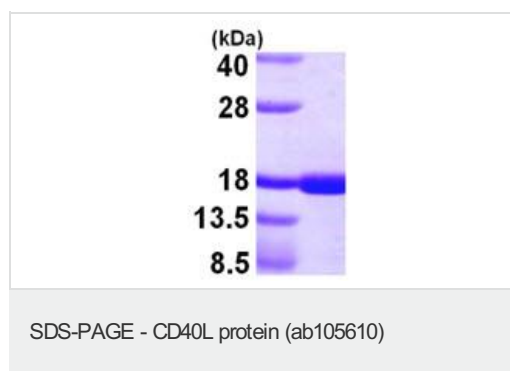
N-linked glycan is a mixture of high mannose and complex type. Glycan structure does not influence binding affinity to CD40.

Not O-glycosylated.

### 細胞内局在

Secreted and Cell membrane.

## 画像



15% SDS PAGE analysis of ab105610 (3 µg).

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