

## CD40L/TNFSF5/TRAP/CD154, Human, Recombinant

货号：PCK290

### 产品信息

别名 soluble CD40 Ligand, TNFSF5, TRAP, CD154, Gp39, T-BAM, sCD40 Ligand

物种 Human

表达宿主 E.coli

序列信息 MQKGDQNPQIAAHVISEASSKTTSVLQWAEKGYTMSNNLVTLENGKQLT  
VKRQGLYYIYAQVTFCSNREASSQAPFIASLCLKSPGRFERILLRAANTHSSA  
KPCGQQSIHLGGVFELQPGASVFNVTDPVSQVSHGTGFTSFGLLKL with  
polyhistidine tag at the C-terminus

检索号 P29965

分子量 16.99 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce IL-8 secretion in human PBMCs. The ED50 for this effect is <5 ng/mL.

### 产品特性

纯度 >95% as determined by SDS-PAGE. Ni-NTA chromatography.

内毒素 <0.1 EU per 1 µg of the protein by the LAL method.

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0.



## 复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100  $\mu\text{g/mL}$ . Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## 背景介绍

CD40, belonging to the TNF receptor family, is a cell surface protein generally expressed on B cells, dendritic cells, monocytes, thymic epithelial cells and on T cells at low levels. The membrane-anchored CD40 Ligand is expressed almost exclusively on activated CD4+ T lymphocytes. CD40 signaling plays a significant role immunoglobulin (Ig) class switching, and is critical for the proliferation and differentiation of B cells. A disease "immunodeficiency with hyper-IgM", characterized by failure to produce IgG, IgA and IgE due to failure expression of CD40L. The soluble form of CD40L is produced in vivo by an intracellular proteolytic processing of the entire TNF homologous region (18 kDa protein) of CD40L.

## SDS-PAGE

