

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 KPCGQQSIHLGGVFELQPGASVFNVTDPQSQVSHGTGFTSFGLLKL 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 µg/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 in 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

