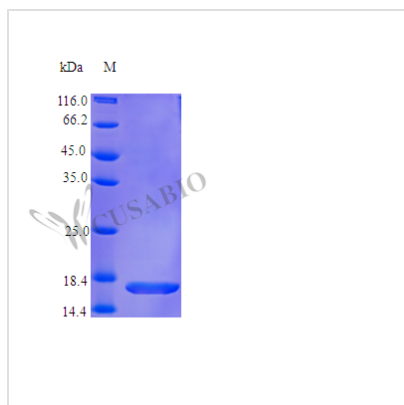




Recombinant Human CD40 ligand (CD40LG) (C194W), partial (Active)

Product Code	CSB-AP002211HU
Abbreviation	Recombinant Human CD40LG protein (C194W), partial (Active)
Uniprot No.	P29965
Storage Buffer	0.2 μ m filtered PBS, pH 7.0 ,lyophilized
Product Type	Tumor Necrosis Factors
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by the dose-dependent stimulation of IL-8 production by human PBMC is less than 5-10 ng/ml.
Purity	>95% as determined by SDS-PAGE.
Sequence	MQKGDQNPQI AAHWISEASS KTTSVLQWAE KGYTMSNNL VTLENGKQLT VKRQGLYYIY AQVTFCNRE ASSQAPFIAS LWLKSPGRFE RILLRAANTH SSAKPCGQQS IHLGGVFELQ PGASVFNVT DPSQVSHGTG FTSFGLLKL
Research Area	Cancer
Source	E.Coli
Target Names	CD40LG
Expression Region	113-261aa(C194W)
Tag Info	Tag-Free
Mol. Weight	16.3 kDa
Protein Length	Partial
PubMed ID	1280226; 1385114; 7678782; 1281209; 7678552; 7999797; 15489334; 8626375; 11676606; 15193700; 8589998; 9605317; 7679206; 8094231; 7679801; 7717401; 7532185; 8889581; 8550833; 9150729; 9746782

Image





Description

Our Recombinant Human CD40 ligand (CD40LG) is a valuable tool for cancer research, particularly in the field of immunology. CD40LG, also known as CD40 ligand or T-cell antigen Gp39, is a member of the tumor necrosis factor (TNF) ligand superfamily. It plays a crucial role in immune response regulation and activation of various immune cells.

This high-quality recombinant protein is derived from an E. coli expression system and covers amino acids 113 to 261 (C194W). It is offered in a tag-free form, ensuring its purity and minimizing any potential interference from additional tags. With a purity level exceeding 95% as determined by SDS-PAGE and HPLC, you can rely on its consistency and reliability for your experiments.

Our CD40LG exhibits full biological activity, comparable to a standard reference. It has an effective dose (ED50) of less than 5-10 ng/ml in the dose-dependent stimulation of interleukin-8 (IL-8) production by human peripheral blood mononuclear cells (PBMC). The product is provided as a lyophilized powder, offering convenience and stability for long-term storage and ease of use in your research endeavors.

Endotoxin

Less than 1.0 EU/μg as determined by LAL method.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.