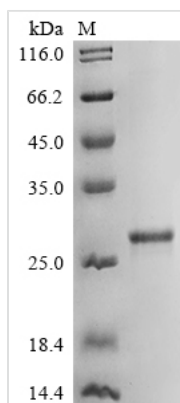




Recombinant Human Lymphocyte antigen 86 (LY86)

Product Code	CSB-EP013252HUb1
Abbreviation	Recombinant Human LY86 protein
Storage	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.
Uniprot No.	O95711
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Human Lymphocyte antigen 86(LY86)
Immunogen Species	Homo sapiens (Human)
Sensitivity	Not Test
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GGGGKAWPTHVVCSDSGLEVLYQSCDPLQDFGFSVEKCSKQLKSNINIRFGII LREDIKELFLDLALMSQGSSVLNFSYPICEAALPKFSFCGRRKGGEQIYYAGPVN NPEFTIPQGEYQVLLELYTEKRSTVACANATIMCS
Research Area	Immunology
Source	E.coli
Target Names	LY86
Expression Region	21-162aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	23.1 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Amino acids 21-162 constitute the expression domain of recombinant Human LY86. The expected molecular weight for the LY86 protein is calculated to be 23.1 kDa. This LY86 protein is produced using e.coli expression system. The LY86 coding gene included the N-terminal 10xHis tag and C-terminal Myc tag, which simplifies the detection and purification processes of the recombinant LY86 protein in following stages of expression and purification.

Lymphocyte antigen 86 (LY86), also known as MD-1, is a protein involved in the regulation of immune responses. LY86 is a co-receptor for TLR4 and plays a crucial role in the recognition of bacterial lipopolysaccharides (LPS), triggering the activation of the immune system. As a part of the TLR4 signaling complex, LY86 contributes to the initiation of inflammatory responses by promoting the production of pro-inflammatory cytokines and type I interferons. Its involvement in these processes highlights its significance in the innate immune system's ability to detect and respond to bacterial infections.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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.