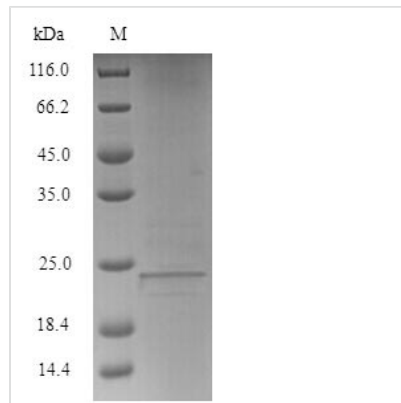




Recombinant Human Lymphocyte antigen 6E (LY6E)

Product Code	CSB-EP619076HU
Abbreviation	Recombinant Human LY6E 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.	Q16553
Alias	Retinoic acid-induced gene E protein Short name: RIG-E Stem cell antigen 2 Short name: SCA-2 Thymic shared antigen 1 Short name: TSA-1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	LMCFSCLNQKSNLYCLKPTICSDQDNYCVTVSASAGIGNLVTFGHSLSKTCSP ACPIPEGVNVGVASMGISCCQSFLCNFS
Research Area	Cell Biology
Source	E.coli
Target Names	LY6E
Protein Names	Recommended name: Lymphocyte antigen 6E Short name= Ly-6E Alternative name(s): Retinoic acid-induced gene E protein Short name= RIG-E Stem cell antigen 2 Short name= SCA-2 Thymic shared antigen 1 Short name= TSA
Expression Region	21-101aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	24.5kDa
Protein Length	Full Length of Mature Protein
Image	



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

Description

Recombinant Human Lymphocyte antigen 6E (LY6E) with an N-terminal 6xHis-SUMO-tag is a full-length of mature protein expressed in E.coli. The sequence used to prepare this recombinant LY6E protein corresponds to residues Leu21-Ser101 of Human LY6E. Its purity is greater than 90% determined by SDS-PAGE. A molecular mass band of approximately 24 kDa was visualized on the gel. And in-stock LY6E proteins are offered now. This recombinant LY6E protein may be used to produce specific anti-LY6E antibodies or in the studies of cell biology.

LY6E, also called SCA2 or TSA1, is a member of the LY6/uPAR family of glycosylphosphatidylinositol-anchored proteins. It exerts roles in multiple cellular processes, such as T-cell differentiation, the regulation of the T-cell receptor signaling pathway of activated T cells, and the self-renewal of erythroid progenitors. Stephanie Pfaender etc. recently demonstrated that LY6E is a key antiviral immune effector that controls coronavirus (CoV) infection and pathogenesis through the inhibition of CoV entry into cells by interfering with spike protein-mediated membrane fusion. And LY6E is overexpressed in diverse human malignant cells.

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.