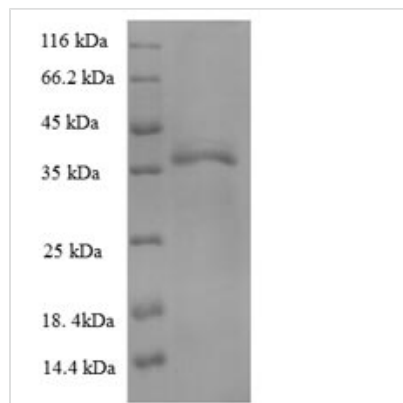


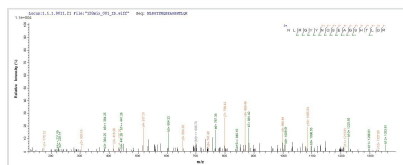


Recombinant Human HLA-B protein (HLA-B), partial

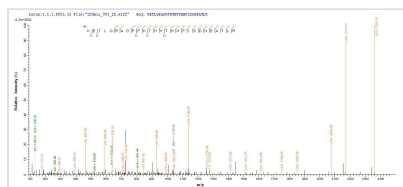
Product Code	CSB-RP150894h
Relevance	Involved in the presentation of foreign antigens to the immune syst.SAAS annotation
Abbreviation	Recombinant Human HLA-B protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of 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.	Q96DW9
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GSHSMRYFYTAMSRPGRGEPFISVGYVDDTQFVRFDSDAASPREEPRAPWIEQEGPEYWDRNTQICKTNTQTYRESLRNLRGYYNQSEAGSHTLQRMYGCDV GPDGRLLRGHDQYAYDGKDYIALNEDLSSWTAADTAAQITQRKWEAAREAEQ LRAYLEGLCVEWLRRYLENGKETLQRADPPKTHVTHHPISDHEATLRCWALGF YPAEITLTWQRDGEDQTQDTELVETRPAGDRTFQKWA AVVVP SGEEQRYTC HVQHEGLPKPLTLRWEPSQSTIPI
Research Area	Immunology
Source	E.coli
Target Names	HLA-B
Expression Region	25-308aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	36.8kDa
Protein Length	Partial
Image	



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-RP150894h could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) HLA-B.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-RP150894h could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) HLA-B.

Description

The recombinant Human HLA-B protein is encoded by the gene of HLA-B (25-308aa). The gene of HLA-B was cloned in a system (E.coli) that supported the expression of HLA-B. Modification of HLA-B by recombinant DNA technology could lead to the expression of the target protein. The protein was fused with N-terminal 6xHis tag in the production. The purity is 90% determined by SDS-PAGE.

HLA-B is a protein coding gene that encodes HLA-B protein. According to some studies, HLA-B may have the following features.

- The dominant influence of HLA-B in mediating the potential co-evolution of HIV and HLA.
- Genetic variation in the HLA-B region and hypersensitivity to abacavir.
- The innate partnership of HLA-B and KIR3DL1 subtypes to HIV-1.
- Allele-specific and peptide-dependent interactions between KIR3DL1 and HLA-A and HLA-B.
- A clone of a member of the immunoglobulin superfamily related to the recognition of HLA-C and HLA-B by human natural killer cells.
- The apparent interaction between KIR3DS1 and HLA-B delayed the development of AIDS.
- The assembly and maturation of HLA-A and HLA-B antigens in vivo.
- Reactivity of the Bw4 common epitope of the HLA-B molecule with natural killer cell clones expressing NKB1, a putative HLA receptor.

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.