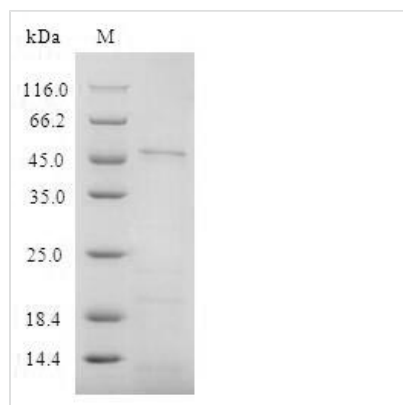


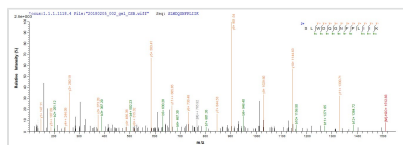


Recombinant Human T-cell surface glycoprotein CD4 (CD4), partial

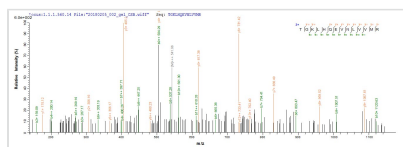
Product Code	CSB-CF004935HU1
Relevance	Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts. (Microbial infection) Acts as a receptor for human immunodeficiency virus-1
Abbreviation	Recombinant Human CD4 protein, 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.	P01730
Product Type	Transmembrane Protein
Immunogen Species	Homo sapiens(Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	KKVVLGKKGDTVELTCTASQKKSIFHWKNSNQIKILGNQGSFLTCKGPSKLND RADSRRLWDQGNFPLIKNLKIEDSDTYICEVEDQKEEVQLLVFGLTANS DTH LLQGQSLTLTLESPPGSSPSVQCRSPRGKNIQGGKTL SVSQLELQDSGTWTC TVLQNQKKVEFKIDIVVLA FQKASSIVYKKEGEQVEFSFPLAFTVEKLTGSGEL WWQAERASSSKSWITFDLKNKEVS VKRVTQDPKLQMGKKLPLHLTL PQALPQ YAGSGNLTALAEKTGKLHQEVNLVVMRATQLQKNLTCEVWGPTSPKLM LSL KLENKEAKVSKREKAVWVLNPEAGMWQC LLSDSGQVLLESNIKVLPTWSTPV QP
Research Area	Immunology
Source	in vitro E.coli expression system
Target Names	CD4
Protein Names	T-cell surface antigen T4/Leu-3 CD_antigen: CD4
Expression Region	26–396aa
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	45.3kDa
Protein Length	Extracellular Domain
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-CF004935HU1 could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) CD4.



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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.