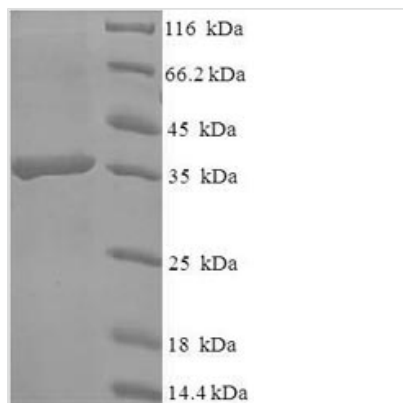




Recombinant Human C-type lectin domain family 4 member D (CLEC4D), partial

Product Code	CSB-EP841219HU
Relevance	Functions as an endocytic receptor. May be involved in antigen uptake at the site of infection, either for clearance of the antigen, or for processing and further presentation to T cells.
Abbreviation	Recombinant Human CLEC4D 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.	Q8WXI8
Alias	C-type lectin superfamily member -type lectin-like receptor 6 ;CLEC-6
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	CLVTHHNFSRCKRGTGVHKLHAKLKCIKEKSELKSAEGSTWNCCPIDWRA FQSNCFYPLTDNKTWAESERNCSGMGAHLMTISTEAEQNFIIQFLDRRLSYFL GLRDENAKGQWRWVDQTPFNPRRVFWHKNEPDNSQGENCVVLVYNQDKW AWNDVPCNFEASRICKIPGTTLN
Research Area	Immunology
Source	E.coli
Target Names	CLEC4D
Expression Region	39-215aa
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	36.7kDa
Protein Length	Extracellular Domain
Image	



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

Description

Constructing a plasmid that codes for the Human CLEC4D protein (39-215aa) is the initial step to yield the recombinant Human CLEC4D protein. The plasmid is then transferred into e.coli cells. Positive e.coli cells are selected and cultured for the protein expression. A N-terminal 6xHis-SUMO tag is fused to the protein. The affinity purification is used to purify the protein, and SDS-PAGE analysis is carried out to verify the presence and assess the purity of the protein. The protein possesses a purity exceeding 90%.

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.