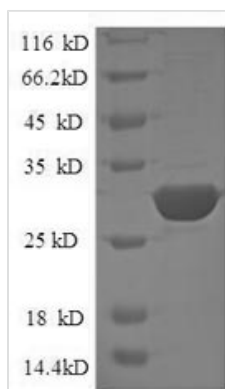




Recombinant Human Signal transducer CD24 (CD24)

Product Code	CSB-RP104644h
Relevance	Modulates B-cell activation responses. Signaling could be triggered by the binding of a lectin-like ligand to the CD24 carbohydrates, and transduced by the release of second messengers derived from the GPI-anchor. Promotes AG-dependent proliferation of B-cells, and prevents their terminal differentiation into antibody-forming cells.
Abbreviation	Recombinant Human CD24 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.	P25063
Alias	Small cell lung carcinoma cluster 4 antigen; CD24
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SETTTGTSSNSSQSTSENTGLAPNPTNATTKAAGGALQSTASLFVVSLSLLHLYS
Research Area	Immunology
Source	E.coli
Target Names	CD24
Expression Region	27-80aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	32.3kDa
Protein Length	Full Length of Mature Protein
Image	



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

Description

The fusion tag N-terminal GST tag gene was added to the gene sequence corresponding to the E.coli of the human CD24 protein to form the recombinant DNA. The recombinant DNA was cloned into the expression vector and then transformed into the E.coli for expression. Following purification, the product is the recombinant human CD24 protein carrying N-terminal GST tag. The SDS-PAGE assessed the purity of this recombinant CD24 protein up to 90%. It had an apparent molecular weight of approximately 30 kDa. This recombinant CD24 protein may be used in CD24-associated immunology research.

CD24 is a gene providing instructions for making a protein named signal transducer CD24 and belongs to CD24 family. CD24 is a signal-transducing molecule on the surfaces of most human B cells that can modulate their response to activation signals by antagonizing IL-induced differentiation into antibody-forming cells and inducing proliferation in combination with signals generated by Ag receptors. Emerging evidence indicated that CD24 suppresses the germ cell program and promotes an ectodermal rather than mesodermal cell fate in embryonal carcinomas.

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

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