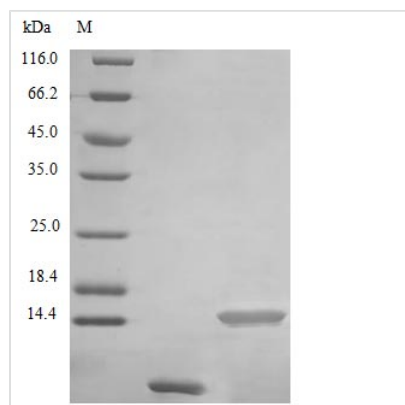




Recombinant Human Uteroglobulin protein (SCGB1A1) (Active)

Product Code	CSB-AP000451HU
Abbreviation	Recombinant Human SCGB1A1 protein (Active)
Uniprot No.	P11684
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Product Type	Other
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by the ability of the immobilized protein to support the adhesion of the A549 human lung carcinoma cells is less than 5.0 µg/ml, corresponding to a specific activity of >200 IU/mg.
Purity	>98% as determined by SDS-PAGE.
Sequence	EICPSFQRVI ETLLMDTPSS YEAAMELFSP DQDMREAGAQ LKKLVDTLPQ KPRESIIKLM EKIAQSSLCN
Research Area	Immunology
Source	E.Coli
Target Names	SCGB1A1
Expression Region	22-91aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	7.9 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	3167058; 7733299; 14702039; 15489334; 1284526; 1400743; 1395029; 11788998; 7664082

Image



Description

Introducing Recombinant Human SCGB1A1, a premium-grade protein designed for immunology research. This full-length mature protein encompasses the 22-91aa expression region of Uteroglobin, a vital player in the complex interactions of the immune system. Produced in *E. coli* and featuring a tag-free design for simplified handling, Recombinant Human SCGB1A1 is perfect for researchers seeking a high-quality and dependable source of Uteroglobin protein.

Our Recombinant Human SCGB1A1 boasts a purity of greater than 98% as confirmed by both SDS-PAGE and HPLC, ensuring the protein will deliver optimal performance in your experiments. Furthermore, the endotoxin levels are less than 1.0 EU/μg as determined by the LAL method, guaranteeing minimal interference with your work. The activity of this protein has been assessed by its ability to support the adhesion of A549 human lung carcinoma cells when immobilized, with an ED₅₀ of less than 5.0 μg/ml, demonstrating a high level of biological activity.

Provided as a lyophilized powder, Recombinant Human SCGB1A1 offers convenient storage and use for various experimental setups. Choose this protein for a reliable and effective solution to meet your research needs.

Endotoxin

Less than 1.0 EU/μg as determined by LAL method.

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.