

CC16 recombinant protein

Recombinant Human CC16 protein

CATALOG #
AAA119913

HOST
E Coli

PRODUCT SYNONYMS

CC16; Recombinant Human CC16 protein; CC10 Protein; Human; CC16 Protein; CCPBP Protein; CCSP Protein; UGB Protein; UP-1 Protein; UP1 Protein; CC16 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized from PBS pH 7.5
Species	Homo sapiens (Human)
Protein Construction	A DNA sequence encoding the human CC16 (Glu22-Asn91) was fused with His tag
Reconstitution	Reconstitute in sterile water for a stock solution.
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Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at -20 to -80 °C for twelve months from the date of receipt.

ADDITIONAL INFORMATION

Related Product Information for CC16 recombinant protein	Uteroglobin (UG), also known as Secretoglobin 1A member 1 (SCGB1A1), Blastokinin, Clara cell secretor protein (CCSP) or Clara cell-specific 1-kDa protein (CC1), is the founding member of the secretoglobulin family of small, secreted, disulfide-bridged dimeric proteins found only in mammals. This protein is mainly expressed in lung, with anti-inflammatory/immunomodulatory properties. Previous in vitro studies demonstrated that CCAAT/enhancer-binding proteins (C/EBPs) are the major transcription factors for the regulation of SCGB1A1 gene expression, whereas FOXA1 had a minimum effect on the transcription. Uteroglobin is a multifunctional protein with antiinflammatory/immunomodulatory properties. Uteroglobin inhibits soluble phospholipase A(2) activity and binds and perhaps sequesters hydrophobic ligands such as progesterone, retinols, polychlorinated biphenyls, phospholipids, and prostaglandins. In addition to its antiinflammatory activities, Uteroglobin manifests antichemotactic, antiallergic, antitumorigenic, and embryonic growth-stimulatory activities. The tissue-specific expression of the Uteroglobin gene is regulated by several steroid hormones, although a nonsteroid hormone, prolactin, further augments its expression in the uterus. Based on its anti-inflammatory and antiallergic properties, Uteroglobin is a potential drug target. The mechanism of Uteroglobin action is likely to be even more complex as it also functions via a putative receptor-mediated pathway.
Product Categories/Family for CC16 recombinant protein	Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	112672
NCBI GeneID	7356
UniProt Accession #	P11684 ; Q6FHH3 ; Q9UCM2 ; Q9UCM4 ; B2R5F2
Molecular Weight	9.54 kDa

NCBI Official Full Name	Uteroglobin
NCBI Official Synonym Full Names	secretoglobin, family 1A, member 1 (uteroglobin)
NCBI Official Symbol	SCGB1A1
NCBI Official Synonym Symbols	UGB; UP1; CC10; CC16; CCSP; UP-1; CCPBP
NCBI Protein Information	uteroglobin; blastokinin; urine protein 1; urinary protein 1; clara cells 10 kDa secretory protein; clara cell phospholipid-binding protein
UniProt Protein Name	Uteroglobin
UniProt Gene Name	SCGB1A1
UniProt Synonym Gene Names	CC10; CCSP; UGB; CCPBP; CC10; UP-1; UP1; Urine protein 1
UniProt Entry Name	UTER_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/scgb1a1-recombinant-protein-e-coli/119913>