

Uteroglobin, human recombinant

CATALOG #: 7209-10 10 µg
7209-50 50 µg

ALTERNATE NAMES: Clara cell phospholipid-binding protein, CCPBP, Clara cells 10 kDa secretory protein, CC10, Secretoglobin family 1A member 1, Urinary protein 1, UP-1, UP1, Urine protein 1

SOURCE: E coli

PURITY: ≥ 98% by SDS-PAGE gel and HPLC analyses

MOL. WEIGHT: 8.0 kDa

ENDOTOXIN LEVEL: < 0.1 ng/µg of protein (<1 EU/µg).

FORM: Lyophilized

FORMULATION: Sterile filtered through a 0.2 micron filter. Lyophilized from 1 X PBS.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

DESCRIPTION: Uteroglobin, a member of the Secretoglobin superfamily, also known as Clara cell phospholipid-binding protein, is a multifunctional protein that can exert anti-inflammatory and anti-tumorigenic effects by binding small hydrophobic molecules such as phospholipids and prostaglandins. The small, non-glycosylated protein named for its high levels of expression in pre-implantation embryos, where it exhibits growth stimulatory

effects, is produced and secreted by the non-ciliated, non-mucous Clara cells predominant in the epithelial surfaces of pulmonary airways, as well as other non-ciliated epithelia. Members of the Secretoglobin superfamily demonstrate a high level of structural conservation and are characterized as small, secretory homo- or heterodimers. In addition to sequestering pro-inflammatory mediators and carcinogens, Uteroglobin has been implicated in the inhibition of cell migration and invasion, platelet aggregation, and T cell differentiation. Recombinant Human Uteroglobin is an 8.0 kDa homodimeric protein consisting of 142 amino acid residues.

AMINO ACID SEQUENCE:
MEICPSFQRV IETLLMDTPS SYEAAMELFS PDQDMREAGA QLKKLVDTLP
QKPRESIIKL MEKIAQSSLC N

RELATED PRODUCTS:
Growth Factors and Cytokines
Proteins and Enzymes

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