

Uteroglobin Protein, Mouse, Recombinant

General Information

Synonyms:	Scgb1a1;PCB-binding protein;Club cells 10 kDa secretory protein (CC10);Uteroglobin;Cc10; Club cell phospholipid-binding protein (CCPBP);Secretoglobin family 1A member 1;Club cell 17 kDa protein;Utg;Ugb
Protein Construction:	22-96 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	Q06318
Molecular Weight:	16.7 kDa (Predicted), a disulfide-linked homodimeric protein containing two 75 amino acid residues polypeptide.
AA Sequence:	DICPGFLQVLEALLMESESGYVASLKPFPNGSDLQNAGTQLKRLVDTLPQETRINIMKLTEKILTSPLCKQDLRF

QC Testing

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/m.
Purity:	>98% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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