

## Product datasheet for **TP727746**

### Uteroglobin (SCGB1A1) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Uteroglobin/SCGB1A1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Glu22-Asn91
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Uteroglobin is produced by our Mammalian expression system and the target gene encoding Glu22-Asn91 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	7356
UniProt ID:	<u><a href="#">P11684</a></u>
Synonyms:	Uteroglobin; Clara cell phospholipid-binding protein; CCPBP; Clara cells 10 kDa secretory protein; CC10; Secretoglobulin family 1A member 1; Urinary protein 1; UP-1; UP1; Urine protein 1; SCGB1A1; CCSP; UGB
Summary:	Uteroglobin is a small, non-glycosylated secreted protein of the secretoglobulin superfamily. It is produced by the non-ciliated, non-mucous secretory cells that predominate in lung bronchioles (Clara cells), and other non-ciliated epithelia that communicate with the external environment. Expression is induced by steroid hormones such as estrogen, and enhanced by the non-steroid hormone prolactin. Human Uteroglobin cDNA encodes a 21 amino acid (aa) signal sequence and a 70 aa mature protein. The mature protein forms a disulfide-linked head-to-tail homodimer of 16 kDa. This homodimer is thought to form a binding pocket that binds hydrophobic ligands such as phospholipids, progesterone and retinols. Binding of fibronectin to Uteroglobin in the kidney is thought to protect against nephropathy, while binding of the lipocalin-1 receptor has been reported to suppress cancer cell motility and invasion.


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**Protein Families:** Druggable Genome, Secreted Protein