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32-8987: Recombinant Mouse Uteroglobin/SCGB1A1 (C-6His)

Gene : Scgb1a1
Gene ID : 22287
Uniprot ID : Q06318

Description

Source: Human Cells.
MW :9.2kD.
Recombinant Mouse Uteroglobin is produced by our Mammalian expression system and the target gene encoding Asp22-Phe96 is expressed with a 6His tag at the C-terminus. Uteroglobin(UG, SCGB1A1) is the founding member of the secretoglobin family of small,secreted, disulfide-bridged dimeric proteins found only in mammals. This protein is mainly expressed in lung, with anti-inflammatory/immunomodulatory properties. 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 anti-inflammatory/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 anti-inflammatory activities, Uteroglobin manifests antichemotactic, antiallergic, antitumorigenic, and embryonic growth-stimulatory activities. 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 Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition :	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.
Amino Acid :	DICPGFLQVLEALLMESESGYVASLKPFNPGSDLQNAGTQLKRLVDTLPQETRINIMKLTEKILTSPLCKQDLRFH HHHHH

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.