



# Certificate of Analysis

## Uteroglobin/SCGB1A1 Protein, Human

Cat. No.:	HY-P71933
Batch No.:	316555
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P11684 (E22-N91)
Gene ID:	7356
Molecular Weight:	Approximately 7.9 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	95.10%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of the A549 human lung carcinoma cells. The ED <sub>50</sub> for this effect is typically 0.2278 μg/mL, corresponding to a specific activity is 4.390×10 <sup>3</sup> units/mg.	0.2278 μg/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in sterile distilled water. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

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