



Recombinant Protein Technical Manual
Recombinant Human SerpinB5/SERPINB5 Protein
RPES4656

Product Data:

Product SKU: RPES4656

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P36952-2

Protein Information:

Molecular Mass: 25.7 kDa

AP Molecular Mass: 29 kDa

Tag:

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Serpin B5; Maspin; Peptidase Inhibitor 5; PI-5; SERPINB5; PI5

Immunogen Information:

Sequence: Met 1-Ser231

Background:

Serpin B5 is a secretive protein that belongs to the Serpin (Serine Protease Inhibitor) family and Ov-serpin subfamily. Serpin B5 is expressed in the prostate, testis, intestine, tongue, lung, and thymus. Serpin B5 exhibits no serine protease inhibitory activity. Serpin B5 also functions as tumor suppressor and angiogenesis inhibitor. It has been shown that Serpin B5 blocks the growth, invasion, and metastatic properties of mammary tumors. Furthermore, high expression of Serpin B5 is linked to squamous cell carcinoma in non-small-cell lung cancer.