

## PRTN3 Protein, Human (S203A, HEK293, His)

Cat. No.:	HY-P76552
Synonyms:	Myeloblastin; AGP7; Leukocyte proteinase 3; PR-3; P29; Wegener autoantigen; MBN
Species:	Human
Source:	HEK293
Accession:	P24158 (S203A, I28-P256)
Gene ID:	5657
Molecular Weight:	Approximately 26.57 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
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.

### DESCRIPTION

Background	PRTN3, a serine protease, exhibits a broad substrate specificity, targeting elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV in vitro. Its enzymatic activity plays a crucial role in the degradation of these extracellular matrix components. Additionally, PRTN3 takes part in the modulation of endothelial cell barrier function by cleaving and activating the receptor F2RL1/PAR-2, thereby enhancing vascular integrity during neutrophil transendothelial migration. Notably, its potential involvement in neutrophil transendothelial migration is suggested, particularly when associated with CD177, emphasizing its significance in immune-related processes.
------------	---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA