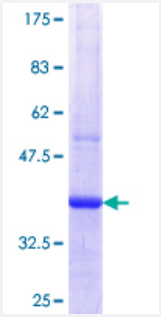
SERPINB7 (Human) Recombinant Protein (Q01)

Catalog # H00008710-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SERPINB7 partial ORF (NP_003775.1, 227 a.a. - 327 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LELRYNGGINMYVLLPENDLSEIENKLTFQNLMEWTNPRRMTSKYVEVFFPQFKIEKNYEMKQYLRALGLKDIFDESKADLSGIASGGRLYISRMMHKSYI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.85
Interspecies Antigen Sequence	Mouse (73); Rat (71)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SERPINB7

Entrez GeneID	8710
GeneBank Accession#	NM_003784
Protein Accession#	NP_003775.1
Gene Name	SERPINB7
Gene Alias	DKFZp686D06190, MEGSIN, MGC120014, MGC120015
Gene Description	serpin peptidase inhibitor, clade B (ovalbumin), member 7
Omim ID	603357
Gene Ontology	Hyperlink
Gene Summary	clade B (ovalbumin)
Other Designations	mesangium predominant gene, megsin|serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 7

Publication Reference

- SerpinB7 deficiency contributes to development of psoriasis via calcium-mediated keratinocyte differentiation dysfunction.

  Huaping Zheng, Linna Gu, Fulei Zhao, Chen Zhang, Zhen Wang, Hong Zhou, Zhonglan Hu, Xiaoqiong Wei, Xiao Liu, Feng Luo, Fanlian Zeng, Qixiang Zhao, Yan Hao, Yawen Hu, Xiaoyan Wang, Jing Hu, Jiadong Yu, Wenling Wu, Yifan Zhou, Pei Zhou, Chengcheng Yue, Nongyu Huang, Kaijun Cui, Wei Li, Jiong Li.

  Cell Death & Disease 2022 Jul; 13(7):635.

  Application: Differentiation, Human, HaCaT cell

Disease

- Disease Progression
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hypertension
- Kidney Failure
- Ovarian Neoplasms
- Proteinuria
- Yin Deficiency