

Serpin B8 Protein, Mouse (sf9, His)

Cat. No.:	HY-P76641
Synonyms:	Cytoplasmic antiproteinase 2; CAP-2; Peptidase inhibitor 8; PI-8; SERPINB8
Species:	Mouse
Source:	Sf9 insect cells
Accession:	O08800 (M1-P374)
Gene ID:	20725
Molecular Weight:	Approximately 43.6 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 50 mM Tris, 100 mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ 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	Serpin B8, plays a crucial role in epithelial desmosome-mediated cell-cell adhesion. The protein's significance in this context underscores its involvement in maintaining the structural integrity and stability of epithelial tissues through the regulation of desmosomal interactions. As a member of the serine protease inhibitor family, Serpin B8 likely exerts its influence by modulating protease activity, contributing to the intricate balance required for proper cell adhesion. Further exploration of the specific mechanisms and interactions involving Serpin B8 in desmosome-mediated adhesion may provide insights into its broader implications for tissue homeostasis and potentially reveal its relevance in pathological conditions related to epithelial integrity.
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Caution: Product has not been fully validated for medical applications. For research use only.

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