

## S100A8 Protein, Mouse (sf9, His)

Cat. No.:	HY-P73671
Synonyms:	Protein S100-A8; Calgranulin-A; MRP-8; S100a8; Caga
Species:	Mouse
Source:	Sf9 insect cells
Accession:	P27005 (M1-E89)
Gene ID:	20201
Molecular Weight:	Approximately 11.7 kDa

### PROPERTIES

AA Sequence	M P S E L E K A L S      N L I D V Y H N Y S      N I Q G N H H A L Y      K N D F K K M V T T E C P Q F V Q N I N      I E N L F R E L D I      N S D N A I N F E E      F L A M V I K V G V A S H K D S H K E
Appearance	Solution
Formulation	Supplied as a 0.22 µm filtered solution of 20 mM Tris, 300 mM NaCl, pH 8.0, 10 % glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

### DESCRIPTION

Background	S100A8 is a protein that plays multiple roles in the immune system and inflammatory processes. It activates the enzyme NADPH-oxidase, which is involved in producing reactive oxygen species (ROS) in immune cells. S100A8 facilitates the assembly of the NADPH-oxidase enzyme complex at the cell membrane and transfers an essential cofactor called arachidonic acid to the complex.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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