

S100A3 Protein, Mouse (His)

Cat. No.:	HY-P76017
Synonyms:	Protein S100-A3; Protein S-100E; S100 calcium-binding protein A3
Species:	Mouse
Source:	E. coli
Accession:	P62818 (M1-Q101)
Gene ID:	20197
Molecular Weight:	Approximately 12 kDa

PROPERTIES

AA Sequence	M T R P L E Q A V A A I V C T F Q E Y A G R C G D K Y K I C Q S E L K E L L Q K E L P T W T P S E F R E C D Y N K F M S V L D T N K D C E V D F G E Y V R S L A S L C L Y C H E Y F K E C P P E P P C P Q
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	Galectin-13, acting as a homodimer through disulfide linkages, demonstrates binding affinity for beta-galactoside and lactose. Additionally, it serves as a potent inducer of T-cell apoptosis, as evidenced by various studies. Moreover, Galectin-13 exhibits hemagglutinating activity specifically towards chicken erythrocytes. These properties highlight its multifaceted roles in cellular interactions and immune modulation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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