

S100A10 Protein, Human (His)

Cat. No.:	HY-P74586
Synonyms:	Protein S100-A10; p11; S100A10; ANX2LG; CAL1L; CLP11
Species:	Human
Source:	E. coli
Accession:	P60903 (P2-K97)
Gene ID:	6281
Molecular Weight:	Approximately 13 kDa

PROPERTIES

AA Sequence	<p> P S Q M E H A M E T M M F T F H K F A G D K G Y L T K E D L R V L M E K E F P G F L E N Q K D P L A V D K I M K D L D Q C R D G K V G F Q S F F S L I A G L T I A C N D Y F V V H M K Q K G K K </p>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 8.0.
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	<p>S100A10 protein plays a pivotal role in modulating protein phosphorylation by promoting the dimerization of ANXA2/p36. The ANXA2 monomer emerges as the preferred substrate for tyrosine-specific kinase activity in vitro. Furthermore, the formation of a heterotetramer, consisting of two light chains of S100A10/p11 and two heavy chains of ANXA2/p36, underscores the intricate regulatory dynamics. This interaction landscape extends to include SCN10A and TASOR, emphasizing the multifaceted involvement of S100A10 in cellular processes.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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