

## S100A7A Protein, Human (P.pastoris, His)

<b>Cat. No.:</b>	HY-P71837
<b>Synonyms:</b>	S100A7A; S100A15; S100A7L1; S100 calcium-binding protein A7A
<b>Species:</b>	Human
<b>Source:</b>	P. pastoris
<b>Accession:</b>	Q86SG5 (2S-101Q)
<b>Gene ID:</b>	338324
<b>Molecular Weight:</b>	Approximately 13.2 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>S N T Q A E R S I I      G M I D M F H K Y T      G R D G K I E K P S      L L T M M K E N F P</p> <p>N F L S A C D K K G      I H Y L A T V F E K      K D K N E D K K I D      F S E F L S L L G D</p> <p>I A A D Y H K Q S H      G A A P C S G G S Q</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>S100A7A Protein emerges as a potential player in epidermal differentiation and inflammation, suggesting a pivotal role in the intricate processes that contribute to skin homeostasis and immune response. Its implication in these cellular functions positions S100A7A as a potentially significant factor in the pathogenesis of diseases such as psoriasis, where aberrant epidermal differentiation and inflammation play key roles. The dual involvement in epidermal processes and inflammatory responses underscores the potential multifaceted impact of S100A7A on skin health and disease. Further exploration of its specific mechanisms and interactions may deepen our understanding of S100A7A's role in skin physiology and its potential implications in various pathological contexts, particularly those related to skin disorders and inflammatory conditions.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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