

S100A14 Protein, Human (His, solution)

Cat. No.:	HY-P76584A
Synonyms:	Protein S100-A14; S100 calcium-binding protein A14; S114; S100A14; S100A15
Species:	Human
Source:	E. coli
Accession:	NP_065723.1 (G2-H104)
Gene ID:	57402
Molecular Weight:	Approximately 12 kDa

PROPERTIES

AA Sequence	<p>G Q C R S A N A E D A Q E F S D V E R A I E T L I K N F H Q Y S V E G G K E T L</p> <p>T P S E L R D L V T Q Q L P H L M P S N C G L E E K I A N L G S C N D S K L E F</p> <p>R S F W E L I G E A A K S V K L E R P V R G H</p>
Biological Activity	Data is not available.
Appearance	Solution
Formulation	Supplied as a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4, 20% 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	<p>The S100A14 protein, a member of the S100 protein family characterized by its EF-hand motif and calcium-binding ability, is encoded by this gene located in a cluster of S100 genes on chromosome 1. Notably, decreased levels of this protein have been observed in cancerous tissue, suggesting its potential role as a tumor suppressor and its association with metastasis (PMID: 19956863, 19351828). Additionally, expression analysis reveals biased expression of S100A14 in the esophagus (RPKM 798.1), skin (RPKM 171.2), and several other tissues, highlighting its potential significance in these contexts.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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