

Screening Libraries

Proteins

Product Data Sheet

S100A6 Protein, Mouse

Cat. No.: HY-P74584

Synonyms: Protein S100-A6; Calcyclin; MLN 4; PRA; S100 calcium-binding protein A6; CACY

Species: Mouse
Source: E. coli

Accession: NP_035443.1 (M1-K89)

Gene ID: 20200

Molecular Weight: Approximately 10 kDa

PROPERTIES

AA Sequence

MACPLDQAIG LLVAIFHKYS GKEGDKHTLS KKELKELIQK ELTIGSKLQD AEIARLMDDL DRNKDQEVNF QEYVAFLGAL

ALIYNEALK

Appearance Lyophilized powder

Formulation Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Endotoxin Level <1 EU/μg, determined by LAL method.

 $\textbf{Reconsititution} \hspace{1.5cm} \textbf{It is not recommended to reconstitute to a concentration less than 100 \, \mu g/mL in \, ddH_2O. \, For long term storage it is} \\$

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

S100A6 protein exhibits calcium ion binding activity and zinc ion binding activity, underscoring its role as a multifunctional regulator. This protein is localized in the collagen-containing extracellular matrix, signifying its involvement in extracellular processes. Its expression is observed in various structures, including the eye, genitourinary system, gut, hemolymphoid system gland, and trophectoderm, indicating its potential roles in diverse physiological functions. The orthologous relationship to human S100A6 emphasizes the evolutionary conservation of this protein across species. Moreover, its biased expression in specific tissues, such as the bladder and colon, highlights its potential significance in the context of tissue-specific functions and regulation.

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 $\label{lem:caution:Product} \textbf{Caution: Product has not been fully validated for medical applications. For research use only.}$

Tel: 609-228-6898 Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA

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