
Product Data Sheet

Product Name: S100A6 Mouse

Cat. No.: GP24471

Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Protein S100-A6; S100 calcium-binding protein A6; Calcyclin; Prolactin receptor-associated protein; 5B10; S100a6; Cacy; 2A9; PRA.		
Solubility	It is recommended to reconstitute the lyophilized Mouse S100A6 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized from a concentrated solution (1mg/ml) containing no additives.		

Introduction

S100A6 is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized either in the cytoplasm or the nucleus of a wide range of cells. S100 proteins are involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. There are at least 13 members in the S100 gene family, which are located as a cluster on chromosome 1q21. S100A6 may function in stimulation of Ca²⁺-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of the S100A6 gene are implicated in melanoma.

Stability

Lyophilized Mouse S100A6 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Mouse S100A6 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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S100A6 also called Calcyclin has been purified by HPLC (see Kuznicki et al. (1989) Biochem. J. 263: 951-956).

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