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S100A6 Mouse

Catalog #:PRPS-416

For research use only.

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

Synonyms: Protein S100-A6, S100 calcium-binding protein A6, Calcyclin, Prolactin receptor-associated protein, 5B10, S100a6, Cacy, 2A9, PRA.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The protein was lyophilized from a concentrated solution (1mg/ml) containing no additives.

Stability:
Lyophilized Mouse S100A6 althoμgh 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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized Mouse S100A6 in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

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.

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