

## 32-4746: Mouse S100 Calcium Binding Protein A6

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

### Description

Source : S100A6 also called Calcyclin has been purified by HPLC (see Kuznicki et al. (1989) Biochem. J. 263: 951-956). 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 Ca<sup>2+</sup>-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of the S100A6 gene are implicated in melanoma.

### Product Info

**Amount :** 5 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The protein was lyophilized from a concentrated solution (1mg/ml) containing no additives.  
**Storage condition :** 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.

### Application Note

It is recommended to reconstitute the lyophilized Mouse S100A6 in sterile 18MΩ·cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

