

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^{2+} -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 $18\text{M}\Omega\cdot\text{cm}$ H_2O not less than $100\mu\text{g/ml}$, which can then be further diluted to other aqueous solutions.

