

## 32-4747: Recombinant 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 : Escherichia Coli. S100A6 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 109 amino acids (1-89 a.a) and having a molecular mass of 12.2kDa.S100A6 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	S100A6 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol and 100mM NaCl.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MACPLDQAIG LLVAIFHKYS GKEGDKHTLS KKEKELIQK ELTIGSKLQD AEIARLMDDL DRNKDQEVNF QEYVAFLGAL ALIYNEALK.