

AR39032PU-L

Mouse S100A6 / Calcyclin (1-89, His-tag) - Purified

Alternate names:

CACY, Growth factor-inducible protein 2A9, MLN 4, PRA, Prolactin receptor-associated protein, S100 calcium-binding protein A6, S100-A6

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

S100 calcium binding protein A6 (S100A6) belongs to the S100 family. S100 family is containing 2 EF-hand calcium-binding motifs. S100 proteins regulate a number of cellular processes such as cell cycle progressions and differentiation. S100A6 plays a role in the reorganization of the actin cytoskeleton and in cell mobility. This is a specific target of S-100B protein in vivo. The binding of S100A6 to S100B is stabilized by S100B-bound calcium and zinc. It associates with both Annexin XI and CacyBP (Calcyclin-binding protein). It functions to activate several processes along the calcium signal transduction pathway including the regulation of cell growth, proliferation, secretion and exocytosis.

Uniprot ID:

[P14069](#)

NCBI:

[NP_035443](#)

GeneID:

[20200](#)

Species:

Mouse

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 100mM NaCl

Description:

Recombinant mouse S100A6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MACPLDQAIG LLVAIFHKYS GKEGDKHTLS KKEKELIYQK
ELTIGSKLQD AEIARLMDDL DRNKDQEVNF QEYVAFLGAL ALIYNEALK

Molecular weight: 12.2 kDa (109aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Recombinant mouse S100A6, 1-89aa, His-tagged

