

Datasheet for ABIN7319341 **S100A6 Protein (His tag)**



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Overview

Quantity:	50 µg
Target:	S100A6
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human S100A6 Protein (E.coli, His Tag)
Sequence:	Met 1-Gly90
Characteristics:	Recombinant Human S100 calcium binding protein A is produced by our E.coli expression system and the target gene encoding Met1-Gly90 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	S100A6
Alternative Name:	S100A6 (S100A6 Products)
Background:	Background: S100A6, also known as Protein S100-A6, Calcyclin, Growth factor-inducible protein 2A9, MLN 4, Prolactin receptor-associated protein, PRA, S100 calcium-binding protein A6 and

Target Details

CACY, is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are a family of low molecular weight protein found in vertebrates and localized in the cytoplasm and/or nucleus of a wide range of cells. S100 proteins are involved in a number of fundamental biological processes such as protein phosphorylation, transcription factors, the dynamics of cytoskeleton constituents, enzyme activities, cell growth and differentiation, the inflammatory response, cell cycle progression and differentiation, stimulation of Ca²⁺-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma. S100A6 may function as calcium sensor and modulator, contributing to cellular calcium signaling. It may function by interacting with other proteins, such as TPR-containing proteins, and indirectly play a role in many physiological processes such as the reorganization of the actin cytoskeleton and in cell motility.

Synonym: S100A6, Protein S100-A6, Calcyclin, Growth factor-inducible protein 2A9, MLN 4, Prolactin receptor-associated protein, PRA, S100 calcium-binding protein A6, CACY, 2A9, 5B10, CABP, PRA

Molecular Weight: 12.5 kDa

UniProt: [P06703](#)

Pathways: [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.