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Datasheet for ABIN7320359
S100A11 Protein (His tag)

Overview

Quantity:	100 µg
Target:	S100A11
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A11 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse S100A11 Protein (His Tag)
Sequence:	Met1-Ile98
Characteristics:	A DNA sequence encoding the mouse S100A11 (NP_058020.1) (Met1-Ile98) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 90 % as determined by SDS-PAGE

Target Details

Target:	S100A11
Alternative Name:	S100A11 (S100A11 Products)
Background:	Background: Protein S100-A11, also known as S100 calcium-binding protein A11, S100A11 and MLN70, is a member of the S-100 family. S100A11 is widely expressed in multiple tissues, and is located in cytoplasm, nucleus, and even cell periphery. S100A11 exists as a non-covalent homodimer with an antiparallel conformation. Ca(2+) binding to S100A11 would trigger

Target Details

conformational changes which would expose the hydrophobic cleft of S100A11 and facilitate its interaction with target proteins. As a dual cell growth mediator, S100A11 acts as either a tumor suppressor or promoter in many different types of tumors and would play respective roles in influencing the proliferation of the cancer cells. In the nucleus, S100A11 suppresses the growth of keratinocytes through p21 (CIP1/WAF1) activation and induces cell differentiation.

S100A11 is also a novel diagnostic marker in breast carcinoma.

Synonym: Protein S100-A11; Calgizzarin; Endothelial monocyte-activating polypeptide; EMAP; Protein S100-C; S100 calcium-binding protein A11; S100a11;

S100c;cal;Emap1;EMAPI;S100A11;S100a14;S100c

Molecular Weight: 13.2 kDa

NCBI Accession: [NP_058020](#)

Pathways: [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, 10 % glycerol, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.