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Datasheet for ABIN7533717
S100A12 Protein (His tag)

Overview

Quantity:	50 µg
Target:	S100A12
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This S100A12 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human S100-A12 Protein
Sequence:	MTKLEEHLEG IVNIFHQYSV RKGHFDTLSK GELKQLLTKE LANTIKNIKD KAVIDEIFQG LDANQDEQVD FQEFISLVAI ALKAAHYHTH KE
Specificity:	Met1-Glu92
Purity:	> 97 % by SDS-PAGE.
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human S100A12 at 2 µg/mL (100 µL/well) can bind recombinant Human AGER/RAGE with a linear range of 0.1-27.25 ng/mL.

Target Details

Target:	S100A12
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Target Details

Alternative Name: S100-A12 ([S100A12 Products](#))

Background: Description: The protein is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 proteins include at least 13 members which are located as a cluster on chromosome 1q21. This protein is proposed to be involved in specific calcium-dependent signal transduction pathways and its regulatory effect on cytoskeletal components may modulate various neutrophil activities. The protein includes an antimicrobial peptide which has antibacterial activity.

Name: S100A12,CAAF1,CAGC,CGRP,ENRAGE,MRP-6,MRP6,p6

Gene ID: 6283

UniProt: [P80511](#)

Pathways: [Toll-Like Receptors Cascades, S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.877 mg/mL

Buffer: Supplied in PBS, 25 % glycerol, pH 7.4

Storage: -80 °C

Storage Comment: This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.