

Datasheet for ABIN7275543

S100A9 Protein (AA 2-114) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	S100A9
Protein Characteristics:	AA 2-114
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A9 protein is labelled with His tag.

Product Details

Purpose:	Human S100A9/MRP14 Protein
Sequence:	Thr2-Pro114
Characteristics:	Recombinant Human S100A9/MRP14 Protein is expressed from E.coli with His tag at the C-Terminus.It contains Thr2-Pro114.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	S100A9
Alternative Name:	S100A9 (S100A9 Products)

Target Details

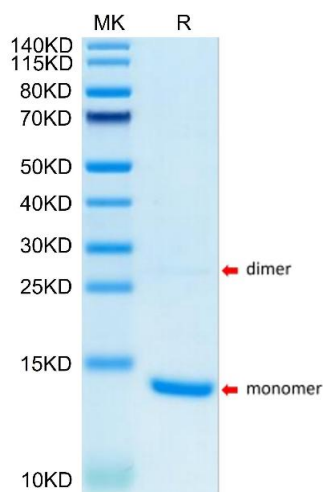
Background:	S100A8 and S100A9 (also known as MRP8 and MRP14, respectively) are Ca ²⁺ binding proteins belonging to the S100 family. They often exist in the form of heterodimer, while homodimer exists very little because of the stability. S100A8/A9 is constitutively expressed in neutrophils and monocytes as a Ca ²⁺ sensor, participating in cytoskeleton rearrangement and arachidonic acid metabolism.
Molecular Weight:	14.3 kDa. The protein migrates to 27 kDa (dimer) & 14.3 kDa (monomer) based on Tris-Bis PAGE result.
UniProt:	P06702
Pathways:	Transition Metal Ion Homeostasis , Positive Regulation of Endopeptidase Activity , S100 Proteins

Application Details

Restrictions:	For Research Use only
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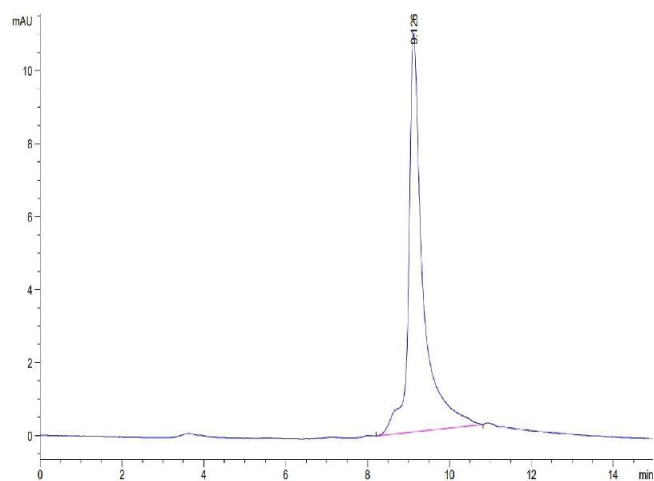
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human S100A9/MRP14 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human S100A9/MRP14 is greater than 95 % as determined by SEC-HPLC.