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# Datasheet for ABIN7275541 S100A9 Protein (AA 1-114) (His tag)





#### Overview

Quantity:	100 µg
Target:	S100A9
Protein Characteristics:	AA 1-114
Origin:	Cynomolgus
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A9 protein is labelled with His tag.

### Product Details

Purpose:	Cynomolgus S100A9/MRP14 Protein
Sequence:	Met1-Arg114
Characteristics:	Recombinant Cynomolgus S100A9/MRP14 Protein is expressed from E.coli with His tag at the N-Terminus.It contains Met1-Arg114.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per $\mu g$ by the LAL method.

## Target Details

Target:	S100A9
Alternative Name:	S100A9 (S100A9 Products)

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Background:	S100A8 and S100A9 (also known as MRP8 and MRP14, respectively) are Ca2 binding prote		
	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 Ca2 sensor, participating in cytoskeleton rearrangement and arachidonic		
	acid metabolism.		
Molecular Weight:	14.70 kDa same as Tris-Bis PAGE result.		
NCBI Accession:	XP_005541846		
Pathways:	Transition Metal Ion Homeostasis, Positive Regulation of Endopeptidase Activity, S100 Proteins		
NCBI Accession:	acid metabolism. 14.70 kDa same as Tris-Bis PAGE result. XP_005541846		

## Application Details

Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Supplied as 0.22µm filtered solution in PBS, 1 mM DTT, 10 % Glycerol ( pH 7.4).	
Preservative:	Dithiothreitol (DTT)	
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-80 °C	
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.	
Expiry Date:	12 months	

	MK	R
140KD 115KD 80KD 70KD		
50KD	-	
40KD	-	
30KD	-	
25KD	-	
15KD	- •	-
10KD		

#### SDS-PAGE

**Image 1.** Cynomolgus S100A9 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

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