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Datasheet for ABIN7275542

S100A9 Protein (AA 1-130) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	S100A9
Protein Characteristics:	AA 1-130
Origin:	Dog
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A9 protein is labelled with His tag.

Product Details

Purpose:	Canine S100A9/MRP14 Protein
Sequence:	Met1-His130
Characteristics:	Recombinant Canine S100A9/MRP14 Protein is expressed from E.coli with His tag at the N-Terminus.It contains Met1-His130.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 90 % 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 Ca²⁺ 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 Ca²⁺ sensor, participating in cytoskeleton rearrangement and arachidonic acid metabolism.

Molecular Weight: 15.90 kDa same as Tris-Bis PAGE result.

NCBI Accession: [XP_038528057](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Positive Regulation of Endopeptidase Activity](#), [S100 Proteins](#)

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).

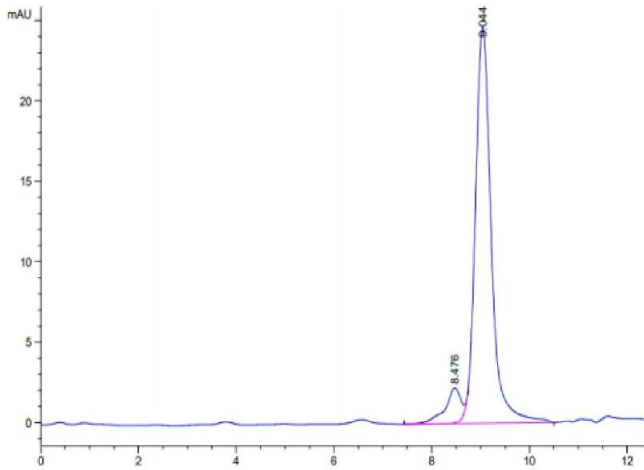
Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -80 °C

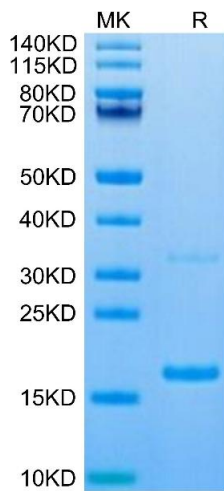
Storage Comment: Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Canine S100A9 is greater than 90 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Canine S100A9 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .