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Datasheet for ABIN7275539  
**S100B Protein (AA 2-92) (Fc Tag)**

2 Images

Overview

Quantity:	100 µg
Target:	S100B
Protein Characteristics:	AA 2-92
Origin:	Dog
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100B protein is labelled with Fc Tag.

Product Details

Purpose:	Canine S100B Protein
Sequence:	Ser2-Glu92
Characteristics:	Recombinant Canine S100B Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Ser2-Glu92.
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:	S100B
Alternative Name:	S100B ( <a href="#">S100B Products</a> )

## Target Details

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Background:	S100B, a calcium-binding protein of the EF-hand type exerts both intracellular and extracellular functions. The intracellular, and extracellular, roles of S100B are attractive therapeutic targets for the treatment of both cardiac and vascular disease.
Molecular Weight:	36.52 kDa. Due to glycosylation, the protein migrates to 40-45 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">E2QTP3</a>
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Regulation of long-term Neuronal Synaptic Plasticity</a> , <a href="#">S100 Proteins</a>

## Application Details

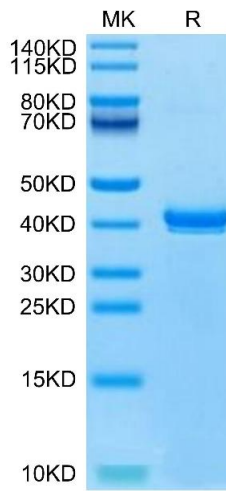
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Restrictions:	For Research Use only
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## Handling

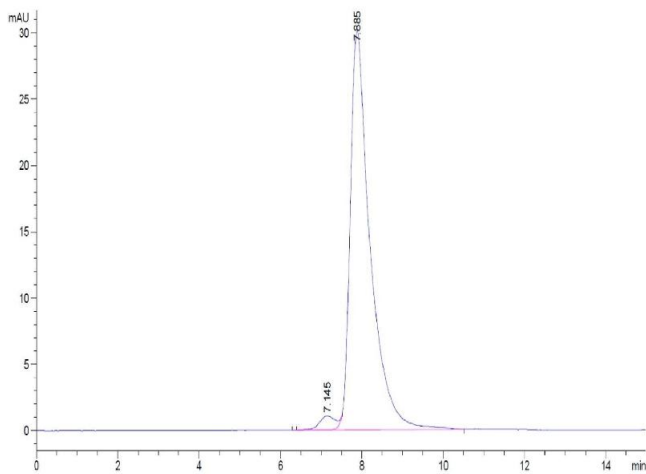
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 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.** Canine S100B 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 Canine S100B is greater than 95 % as determined by SEC-HPLC.