

Canine S100B Protein

Cat. No. S10-DM20B

Description

Source	Recombinant Canine S100B Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Ser2-Glu92.
Accession	E2QTP3
Molecular Weight	The protein has a predicted MW of 36.52 kDa. Due to glycosylation, the protein migrates to 40-45 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

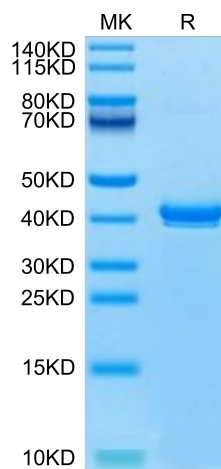
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

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.

Assay Data

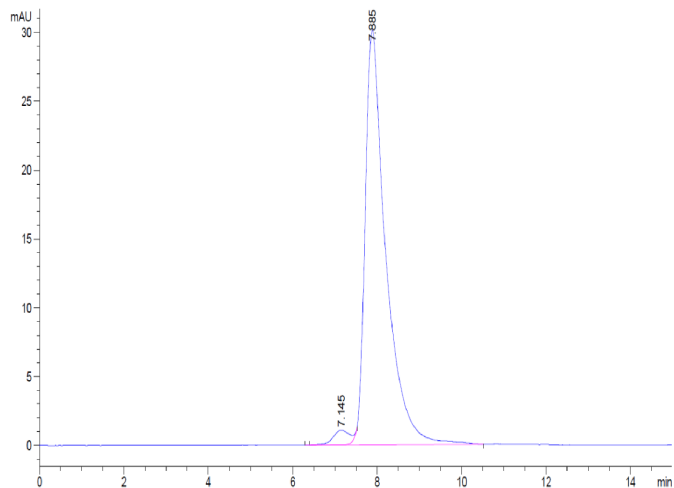
Tris-Bis PAGE



Canine S100B on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Canine S100B is greater than 95% as determined by SEC-HPLC.