

Recombinant Porcine S100 Calcium Binding Protein A11 (S100A11), N-His

Cat. No.: AP7F192

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Porcine S100 Calcium Binding Protein A11 (S100A11), N-His is a recombinant protein expressed from *E. coli* expression system. Its predicted molecular weight is 12.7 kDa. The purity is >95% (SDS-PAGE). The endotoxin level is <1 EU/µg (LAL). It can be used as a positive control or as an immunogen.

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E. coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	<1 EU/µg (LAL)
Predicted Molecular Weight	12.7 kDa
Molecular Weight	12 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

S100 calcium binding protein A11 is encoded by the *S100A11* gene in pigs. As a member of the S100 family, S100A11 mediates signal transduction in response to internal or external stimuli. It plays various roles in different diseases, such as cancers, metabolic disease, neurological diseases, and vascular calcification.

Protein	Porcine S100 Calcium Binding Protein A11 (S100A11)
Protein Synonym	S100A11; S100 calcium-binding protein A11; Protein S100-C; Calgizzarin; Metastatic lymph node gene 70 protein; MLN 70; Calgizzarin; MLN70; S100C; calgizzarin; Calgizzarin; Metastatic lymph node gene 70 protein; MLN 70; protein S100-A11; Protein S100-C; S100 calcium binding protein A11
Gene ID	445534

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store for 4 weeks at 2-8°C, for 12 months at -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH 7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

Reference

Zhang, L. *et al.* The Calcium Binding Protein S100A11 and Its Roles in Diseases. *Frontiers in cell and developmental biology*. 2021, 9: 693262.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.