

Native Bovine S-100α Protein

Cat. No. S100AA-258B **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Bovine
Source	Bovine Brain
Description	S-100 is a low molecular weight, cytoplasmic, calcium binding protein. It is traditionally found in the brain, heart and muscle tissue. S-100 has two subunits (alpha-chain and beta-chain) and exists in several different forms. The alpha-alpha homodimer is referred to in literature as either the S-100αα or S-100a(0), the beta-beta homodimer is referred to in literature as S-100b and the alpha-beta heterodimer is referred to in literature as S-100a. ART purifies a mixture of all forms (S-100), S-100αα (<5% beta="" chain="" contamination="" by="" western="" blot),="" and="" s-100b=""><10% alpha="" chain="" contamination="" by="" western="">
Form	Lyophilized
Molecular Mass	6500
Purity	>=95% by SDS-PAGE
Usage	For research or further manufacturing use only.
Quality Control Test	Prepared from tissue collected int the contiguous United States from animals under 30 months of age at a USDA inspected facility. Animals were inspected ante and post

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mortem and found free of infections diseases.

Stability

>1 year

Storage

-20°C

Storage Buffer

50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 100 µM DTT

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