

Native Human S100B Protein

Cat. No. S100B-1116H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Human S100 beta protein homodimer was purified from human brain tissue.
Species	Human
Source	Human Brain
Description	S-100 protein is a family of low molecular weight protein found in vertebrates characterized by two calcium binding sites of the helix-loop-helix conformation. There are at least 21 different types of S100 proteins. which are involved in regulation of protein phosphorylation, transcription factors, Ca ⁺⁺ homeostasis, the dynamics of cytoskeleton constituents, enzyme activities, cell growth and differentiation, and the inflammatory response.
Form	Lyophilized Powder
Molecular Mass	21 kda
Purity	> 95%
Storage	Aliquot and store at -20 centigrade. Avoid repeated Freeze/Thaw cycles
Storage Buffer	5mM Tris-HCl, pH 7.5 with 5mM 2-mercaptoethanol and 5mM EDTA.
Reconstitution	Reconstitute with 5 mM 2-mercaptoethanol.

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GENE INFORMATION

Gene Name	S100B S100 calcium bindingprotein B [Homo sapiens]
Official Symbol	S100B
Synonyms	S100B;S100 calcium binding protein B; NEF; S100; S100-B;S100beta; proteinS100-B; S-100 protein subunit beta
Gene ID	6285
mRNA Refseq	NM_006272
Protein Refseq	NP_006263
MIM	176990
UniProt ID	P04271

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