

S100B

Native Human S100 Calcium Binding Protein B

Catalog No.	CSI14709	Quantity:	100 µg
Alternate Names:	NEF, S100, S100beta		
Description:	<p>S100 Calcium Binding Protein B (S100B) is an acidic calcium binding protein and a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100B may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca²⁺ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes.</p>		
Concentration:	100µg, lyophilized		
GenelD:	6285		
Source:	Human Brain		
Molecular Weight:	21.0 kDa		
Formulation:	Lyophilized from 5 mM Tris-HCl, pH 7.5 with 5 mM 2-mercaptoethanol and 5 mM EDTA. Reconstitute in 5 mM 2-mercaptoethanol.		
Purity:	>98%		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in 5 mM 2-Mercaptoethanol.		
Storage & Stability:	Store at -20°C. Avoid repeated freeze-thaw cycles.		
Biohazard:	Tested negative for HBsAg, HCV, Syphilis and anti-HIV 1 & 2 using certified test methods.		
Contaminants:	None detected.		

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