

Datasheet for ABIN1001148
S100B Protein (AA 2-92) (His tag)



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Overview

Quantity:	10 µg
Target:	S100B
Protein Characteristics:	AA 2-92
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100B protein is labelled with His tag.
Application:	Western Blotting (WB), Control (Ct)

Product Details

Purpose:	S100 Beta Chain (Western Blot Control)
Sequence:	SELEKAMVAL IDVFHQYSGR EGDKHKLKKS ELKELINNEL SELEKAMVAL IDVFHQYSGR EGDKHKLKKS ELKELINNEL TTACHEFFEHE E
Characteristics:	recombinant S100 β-chain comprises a 91 amino acid fragment (2-92) corresponding to processed S100 β-chain and is expressed in E. coli with an aminoterminal hexahistidine tag.
Purity:	> 95 %

Target Details

Target:	S100B
Abstract:	S100B Products

Target Details

Background: S100 proteins belong to a family of EF-hand calcium binding proteins that exist mostly as dimers of the 20 currently identified individual S100 monomers. The S100B homodimer is expressed in cells of the central nervous system, glial cells and in certain peripheral cells e.g. Schwann cells, melanocytes, adipocytes and chondrocytes. The determination of S100B in serum levels may be used to monitor the extent of brain injury and malignant melanoma.,NEF, S100, S100B, S-100 protein beta chain, S-100 calcium binding protein beta chain, S100 calcium binding protein beta (neural).

Molecular Weight: 14.71 kDa

UniProt: [P04271](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Positive Regulation of Immune Effector Process](#), [Toll-Like Receptors Cascades](#), [Regulation of long-term Neuronal Synaptic Plasticity](#), [S100 Proteins](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied in 1x Laemmli Buffer (25 mM Tris-HCl pH 6.8, 50 mM DTT, 1 % (w/v) SDS, 0.1 % (w/v) Bromophenol Blue, 2.5 % Glycerol).

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20 °C