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**S100  $\beta$  chain**

**Human, Recombinant, *E. coli***

**Cat. No.:** RCP9281

**Size:** 10 $\mu$ g

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**Synonym:** NEF, S100, S100B, S-100 protein beta chain, S-100 calcium binding protein beta chain, S100 calcium binding protein beta (neural).

**Description:** 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.

**RANDOX** recombinant S100  $\beta$ -chain comprises a 91 amino acid fragment (2-92) corresponding to processed S100  $\beta$ -chain and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

**Form:** Liquid.  
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

**Purity:** Single band on Western blot.

**References:** Heizmann, C.W. (1998) *Biometals* **11** (4): 383-397.  
Rothermundt, M. *et al.* (2003) *Microsc. Res. Tech.* **60** (6):

614-632