

Recombinant Mouse S100b, His-tagged

Cat. No. S100b-2571M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse S100B protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 12.8 kDa (112aa).
Species	Mouse
Source	E.coli
Description	S100B is 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. This protein function in Neurite extension, proliferation of melanoma cells, stimulation of Ca ²⁺ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSELEKAMVA LIDVFHQYSG REGDKHKLKK SELKELINNE LSHFLEEIKE QEVVDKVMET LDEDGDGECD FQEFMAFVAM VTTACHEFFE HE
Purity	> 85% by SDS – PAGE.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol.
Concentration	1 mg/ml (determined by Bradford assay).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

S100b S100 protein, beta polypeptide, neural [*Mus musculus*]

Synonyms

S100b; S100 protein, beta polypeptide, neural; Bpb; AI850290; MGC74317; protein S100-B; OTTMUSP00000021974; S-100 protein beta chain; S-100 protein subunit beta; S100 calcium-binding protein B

Gene ID

20203

mRNA Refseq

NM_009115

Protein Refseq

NP_033141

UniProt ID

P50114

**Chromosome
Location**

10 C1; 10 41.0 cM

Function

calcium ion binding; metal ion binding; receptor binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA