

## Recombinant Mouse S100b protein, His-tagged

Cat. No. S100b-2570M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse S100b(Met1-Glu92) fused with His tag at C-terminal was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Glu92
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.
<b>AA Sequence</b>	MSELEKAMVALIDVFHQYSGREGDKHKLKSELKELINNELSHFLEEIKEQEVVDKV METLDEDG DGECDQEFMAFVAMVTTACHEFFEHLEHHHHHH
<b>Endotoxin</b>	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Storage</b>	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Shipping** The product is shipped at ambient temperature.

## GENE INFORMATION

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

**Official Symbol** S100b

**Synonyms** S100B; S100 protein, beta polypeptide, neural; protein S100-B; S-100 protein beta chain; S-100 protein subunit beta; S100 calcium-binding protein B; Bpb; AI850290; MGC74317;

**Gene ID** 20203

**mRNA Refseq** NM\_009115

**Protein Refseq** NP\_033141

**MIM**

**UniProt ID**

**Chromosome Location** 10 C1; 10 38.76 cM

**Pathway** Activated TLR4 signalling, organism-specific biosystem; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MyD88 cascade

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initiated on plasma membrane, organism-specific biosystem; MyD88 dependent cascade initiated on endosome, organism-specific biosystem;

**Function**

RAGE receptor binding; S100 beta binding; calcium ion binding; calcium ion binding; calcium-dependent protein binding; identical protein binding; metal ion binding; protein homodimerization activity; receptor binding; zinc ion binding;

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