

Recombinant Mouse S100b protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse S100b(Met1-Glu92) fused with His tag at C-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Glu92
Form	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.
AA Sequence	MSELEKAMVALIDVFHQYSGREGDKHKLKKSELKELINNELSHFLEEIKEQEVVDKV METLDEDG DGECDQFQFMAFVAMVTTACHEFFEHELEHHHHHH
Endotoxin	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	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.
Reconstitution	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

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lyophilized protein in ddH₂O. 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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