

Recombinant Mouse S100A1 protein(Gly2-Ser94), His-tagged

Cat. No. S100a1-7012M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse S100A1 (P56565) (Gly 2-Ser 94) was expressed in E. coli, with a polyhistide tag at the N-terminus.
Species	Mouse
Source	E.coli
ProteinLength	2-94 a.a.
Form	Lyophilized from sterile PBS, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind human AGER in a functional ELISA.
Molecular Mass	The recombinant mouse S100A1 consisting of 109 amino acids and has a calculated molecular mass of 12.5 kDa. rmS100A1 migrates as an approximately 14 kDa band in SDS-PAGE under reducing conditions.
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	S100a1 S100 calcium binding protein A1 [Mus musculus]
Official Symbol	S100A1
Synonyms	S100A1; S100 calcium binding protein A1; protein S100-A1; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1; S100; S100a; AI266795;
Gene ID	20193
mRNA Refseq	NM_011309
Protein Refseq	NP_035439

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