

Active Recombinant Human S100A1 protein(Met1-Ser94)

Cat. No. S100A1-3099H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human S100A1 protein(NP_006262.1)(Met1-Ser94) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ser94
similar	S100A1
Alias	S100A1; S100 calcium binding protein A1; S100 calcium binding protein A1 , S100A; protein S100-A1; S100 alpha; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1; S100 protein, alpha polypeptide; S100; S100A; S100-alpha;
Conjugate	N/A
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bioactivity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized recombinant human Fc-S100B at 10 µg/mL (100 µl/well) can bind biotinylated human S100A1 with a linear range of 15.6-250 ng/mL. 3. Measured by its ability to bind human His-S100B in functional ELISA.

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MolecularMass	The recombinant human S100A1 consists of 94 amino acids and has a predicted molecular mass of 10.5 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % 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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GeneName	S100A1 S100 calcium binding protein A1 [Homo sapiens]
GeneNameWeblink	6271
OfficialSymbol	S100A1
OfficialSymbolWeblink	6271
GenelD	6271
GenelDWeblink	6271
mRNARefseq	NM_006271
mRNARefseqWeblink	NM_006271.1
ProteinRefseqWeblink	NP_006262.1

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MIMWeblink	176940
UniProtID	P23297
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GENE INFORMATION

Synonyms	S100A1; S100 calcium binding protein A1; S100 calcium binding protein A1 , S100A; protein S100-A1; S100 alpha; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1; S100 protein, alpha polypeptide; S100; S100A; S100-alpha;
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