

## Active Recombinant Human S100A1 protein(Met1-Ser94)

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human S100A1 protein(NP_006262.1)(Met1-Ser94) was expressed in E. coli.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Met1-Ser94  |
| <b>similar</b>          | S100A1  |
| <b>Alias</b>            | 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;               |
| <b>Conjugate</b>        | N/A   |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  |
| <b>Bioactivity</b>      | 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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| <b>MolecularMass</b>         | The recombinant human S100A1 consists of 94 amino acids and has a predicted molecular mass of 10.5 kDa.   |
| <b>Endotoxin</b>             | < 1.0 EU per µg of the protein as determined by the LAL method  |
| <b>Purity</b>                | > 97 % as determined by SDS-PAGE  |
| <b>Storage</b>               | 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. |
| <b>Reconstitution</b>        | 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.   |
| <b>GeneName</b>              | S100A1 S100 calcium binding protein A1 [ Homo sapiens ]   |
| <b>GeneNameWeblink</b>       | <a href="#">6271</a>  |
| <b>OfficialSymbol</b>        | S100A1  |
| <b>OfficialSymbolWeblink</b> | <a href="#">6271</a>  |
| <b>GenelD</b>                | 6271  |
| <b>GenelDWeblink</b>         | <a href="#">6271</a>  |
| <b>mRNARefseq</b>            | NM_006271   |
| <b>mRNARefseqWeblink</b>     | <a href="#">NM_006271.1</a>   |
| <b>ProteinRefseqWeblink</b>  | <a href="#">NP_006262.1</a>   |

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|-------------------------|---|
| MIMWeblink              | <a href="#">176940</a>  |
| UniProtID               | P23297  |
| UniProtIDWeblink        | <a href="#">P23297</a>  |
| <b>GENE INFORMATION</b> |   |
| 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; |
| MIM                     | 176940  |