



# Recombinant Horse Protein S100-A7 (s100A7)

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| <b>Product Code</b>      | CSB-EP617992HO   |
| <b>Abbreviation</b>      | s100A7   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | Q14ST5   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Equus caballus (Horse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | SETEAEASV IGIIELFHKY TGRDDMIDKP GLLKMLQDNF PNFLAACDKK<br>GTDYLANVFE KKDKNRDKKI DFSEFLSLLG DIATDYHKQS HGAPACSEGD Q  |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | s100A7   |
| <b>Protein Names</b>     | Recommended name: Protein S100-A7 Alternative name(s): Psoriasin S100 calcium-binding protein A7   |
| <b>Expression Region</b> | 2-101  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | This protein is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein differs from the other S100 proteins of known structure in its lack of calcium binding ability in one EF-hand at the N-terminus. This protein is markedly over-expressed in the skin lesions of psoriatic patients, but is excluded as a candidate gene for familial psoriasis susceptibility. The exact function of this protein is not known. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.   |



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