



# Recombinant Rabbit Protein S100-A9 (S100A9)

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| <b>Product Code</b>      | CSB-MP020642RB   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P50117   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Oryctolagus cuniculus (Rabbit)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | SCGMSQLER SIDTIINVFH QYSVRVGPRD SLSQKEFKQL VQKELHNFLK<br>KEARDEKAIN DIMEDLDTNQ DKQLSFEEFV ILMARLVHAS HEEMHKNAPH<br>DHEGSHSGPG LGGGGPGHGH GSHGHGHGH SH  |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | S100A9   |
| <b>Protein Names</b>     | Recommended name: Protein S100-A9 Alternative name(s): Calgranulin-B<br>Migration inhibitory factor-related protein 14 Short name= MRP-14 Short name=<br>p14 S100 calcium-binding protein A9   |
| <b>Expression Region</b> | 2-132  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>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<br>calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or<br>nucleus of a wide range of cells, and involved in the regulation of a number of<br>cellular processes such as cell cycle progression and differentiation. S100<br>genes include at least 13 members which are located as a cluster on<br>chromosome 1q21. This protein may function in the inhibition of casein kinase<br>and altered expression of this protein is associated with the disease cystic<br>fibrosis. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>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,<br>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<br>of lyophilized form is 12 months at -20°C/-80°C.   |