

# Recombinant Cattle S100A12 protein, His-tagged

**Cat. No.** S100A12-1478C    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Cattle S100A12 aa. (Thr2~Glu92) fused with N-terminal His tag was produced in E. coli cells.                                                                                                                                                    |
| <b>Species</b>          | Cattle                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Thr2~Glu92                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 14kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                        |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method).                                                                                                                                                                                                               |
| <b>Purity</b>           | >98%                                                                                                                                                                                                                                                        |
| <b>Characteristic</b>   | The isoelectric point is 5.9.                                                                                                                                                                                                                               |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.                                                                                                                                                                                       |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less |

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than 5% within the expiration date under appropriate storage condition.

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Concentration</b>  | 200g/mL                                                                                                    |
| <b>Storage buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.    |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL.<br>Do not vortex.        |

## GENE INFORMATION

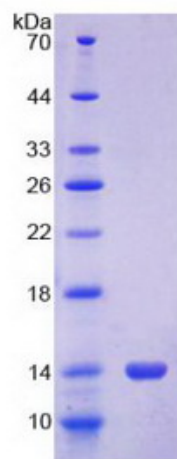
|                        |                                                                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">S100A12 S100 calcium binding protein A12 [ Bos taurus (cattle) ]</a>                                                                                                                                |
| <b>Official Symbol</b> | <a href="#">S100A12</a>                                                                                                                                                                                         |
| <b>Synonyms</b>        | CAGC; CAAF1; CO-AG; EN-RAGE; RAGE-binding protein; calcium-binding protein in amniotic fluid 1; calgranulin-C; cornea-associated antigen; extracellular newly identified RAGE-binding protein; protein S100-A12 |
| <b>Gene ID</b>         | <a href="#">282467</a>                                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | <a href="#">NM_174651.3</a>                                                                                                                                                                                     |
| <b>Protein Refseq</b>  | <a href="#">NP_777076.1</a>                                                                                                                                                                                     |
| <b>UniProt ID</b>      | <a href="#">P79105</a>                                                                                                                                                                                          |

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SDS-PAGE



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