

## Recombinant Human S100A8/S100A9 Protein

| Catalog #                      | Source  | Reactivity | Applications        |
|--------------------------------|---|------------|---------------------|
| CRP2232                        | E. coli   | Human      | E, WB, SDS-PAGE, MS |
| <b>Description</b>             | Recombinant Human S100A8/S100A9 Protein is produced by our E. coli expression system and the target gene encoding Met1-Glu93 (S100A8) & Thr2-Pro114 (S100A9) is expressed with a 6His tag at the C-terminus.  |            |                     |
| <b>Form</b>                    | Liquid in a 0.2 µM filtered solution of 20mM HEPES, 10% Glycerol, 150mM NaCl, 2.5mM EDTA, pH 7.4  |            |                     |
| <b>Gene Symbol</b>             | S100A8; S100A9  |            |                     |
| <b>Alternative Names</b>       | CAGA CFAG MRP8 CAGB CFAG MRP14; Protein S100-A8; Calgranulin-A; Calprotectin L1L subunit; Cystic fibrosis antigen; CFAG; Leukocyte L1 complex light chain; Migration inhibitory factor-related protein 8; MRP-8; p8; S100 calcium-binding protein A8; Urinary stone protein band A Protein S100-A9; Calgranulin-B; Calprotectin L1H subunit; Leukocyte L1 complex heavy chain; Migration inhibitory factor-related protein 14; MRP-14; p14; S100 calcium-binding protein A9 |            |                     |
| <b>Entrez Gene</b>             | 6279; 6280 (Human)  |            |                     |
| <b>SwissProt</b>               | P05109; P06702 (Human)  |            |                     |
| <b>Purity</b>                  | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.   |            |                     |
| <b>Chemical Structure</b>      | MLTELEKALN SIIDVYHKYS LIKGNFHAVY RDDLLKLLLET ECPQYIRKKG ADVVWFKELDI<br>NTDGAVNFQE FLILVIKMGV AAHKKSHEES HKEHHHHHH* &TCKMSQLER NIETIINTFH<br>QYSVKLGHPD TLNQGEFKEL VRKDLQNFLK KENKNEKVIE HIMEDLDTNA DKQLSFEEFI<br>MLMARLTWAS HEKMHEGDEG PGHHHKPGLG EGTP*   |            |                     |
| <b>Quality Control</b>         | Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.  |            |                     |
| <b>Directions for Use</b>      | Always centrifuge tubes before opening. It is recommended that the protein be   |            |                     |
| <b>Application key:</b>        | E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference  |            |                     |
| <b>Species reactivity key:</b> | H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish  |            |                     |

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# Product Data Sheet

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Storage/Stability

Store it at -20°C to -80°C for one year.

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