

## S100A9 recombinant protein

S100A9, 1-113aa, Mouse, His tag, E Coli

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48716</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

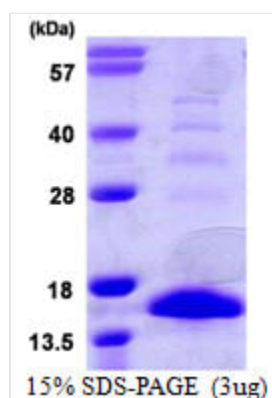
### PRODUCT SYNONYMS

S100A9; 1-113aa; Mouse; His tag; E Coli; S100 calcium binding protein A9; Calgranulin-B; Cagb; Mrp14; S100A9 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                 |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | E Coli                                                                                                                                                                          |
| Purity/Purification                                    | > 90% by SDS-PAGE                                                                                                                                                               |
| Form/Format                                            | Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 1mM DTT                                                                                                          |
| Concentration                                          | 0.5 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                        |
| Sequence                                               | MGSSHHHHH SSGLVPRGSH MANKAPSQME RSITTIIDTF HQYSRKEGHP DTLSKKEFRQ MVEAQLATFM KKEKRNEALI NDIMEDLDTN QDNQLSFEEC MMLMAKLIFA CHEKLHENNP RGHGHSHGKG CGK                               |
| Sequence Length                                        | 113                                                                                                                                                                             |
| Applicable Applications for S100A9 recombinant protein | SDS-PAGE                                                                                                                                                                        |
| Antigen Species                                        | Mouse                                                                                                                                                                           |
| Tag Information                                        | His-tag                                                                                                                                                                         |
| Preparation and Storage                                | Can be stored at 4 degree C short term (1-2 weeks).<br>For long term storage, aliquot and store at -20 degree C or -70 degree C.<br>Avoid repeated freezing and thawing cycles. |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for S100A9 recombinant protein | S100A9, also known as Calgranulin-B, belongs to the S100 family containing EF-hand type Ca2+-binding proteins. It is involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation, and associated with the disease cystic fibrosis. S100A9 has been implicated in the abnormal differentiation of myeloid cells in the stroma of cancer. This protein may function in the inhibition of casein kinase. Recombinant mouse S100A9 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography. |
| Product Categories/Family for S100A9 recombinant protein   | <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| References                                                 | Schafer BW., et al. (1996) Trends biochem Sci. 21 (4):134-140; Nacken W., et al. (2003) Microsc Res Tech. 60:569-580                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| NCBI GI #                        | <a href="#">6677837</a>                               |
| NCBI GeneID                      | <a href="#">20202</a>                                 |
| NCBI Accession #                 | <a href="#">NP_033140</a>                             |
| NCBI GenBank Nucleotide #        | <a href="#">NM_009114.3</a>                           |
| UniProt Accession #              | <a href="#">P31725</a>                                |
| Molecular Weight                 | 15.2 kDa (133aa), confirmed by MALDI-TOF              |
| NCBI Official Full Name          | protein S100-A9                                       |
| NCBI Official Synonym Full Names | S100 calcium binding protein A9 (calgranulin B)       |
| NCBI Official Symbol             | S100a9                                                |
| NCBI Official Synonym Symbols    | p14; Cagb; GAGB; L1Ag; BEE22; MRP14; 60B8Ag; AW546964 |
| NCBI Protein Information         | protein S100-A9                                       |
| UniProt Protein Name             | Protein S100-A9                                       |
| UniProt Gene Name                | <b>S100a9</b>                                         |
| UniProt Synonym Gene Names       | Cagb; Mrp14; MRP-14; p14                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/s100a9-recombinant-protein-e-coli-sds-page/48716>