

Active Recombinant Human S100A8 protein, His-tagged

Cat. No. S100A8-2671H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human S100A8 protein(NP_002955.2) (Leu 2-Glu 93) was expressed in E. coli, with a polyhistidine tag at the N-terminus.
Species	Human
Source	E. coli
ProteinLength	2-93 aa
Form	Lyophilized from sterile 20mM Tris, pH 8.5, 10% glycerol.
Bio-activity	1. Measured by its ability to bind recombinant human S100A9 in a functional ELISA. 2. Measured by its ability to inhibit the proliferation of MCF7 human breast adenocarcinoma cells. The ED50 for this effect is typically 10-30 µg/mL.
Molecular Mass	The recombinant human S100A8 consisting of 103 amino acids and migrates as an approximately 12.2 kDa band in SDS-PAGE under reducing conditions as predicted.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

protein Refseq-Weblink http://www.ncbi.nlm.nih.gov/protein/NP_002955.2

Unit ID P05109

Unit ID-Weblink <https://www.uniprot.org/uniprotkb/P05109>

GENE INFORMATION

Gene Name [S100A8 S100 calcium binding protein A8 \[Homo sapiens \]](#)

Official Symbol [S100A8](#)

Synonyms S100A8; S100 calcium binding protein A8; CAGA, CFAG, S100 calcium binding protein A8 (calgranulin A), S100 calcium binding protein A8 (calgranulin A); protein S100-A8; 60B8AG; CGLA; MRP8; P8; MRP-8; calgranulin A; calgranulin-A; cystic fibrosis antigen; calprotectin L1L subunit; urinary stone protein band A; leukocyte L1 complex light chain; migration inhibitory factor-related protein 8; S100 calcium-binding protein A8 (calgranulin A); MIF; NIF; CAGA; CFAG; L1Ag; CP-10; MA387;

Gene ID [6279](#)

mRNA Refseq [NM_002964](#)

protein Refseq NP_002955

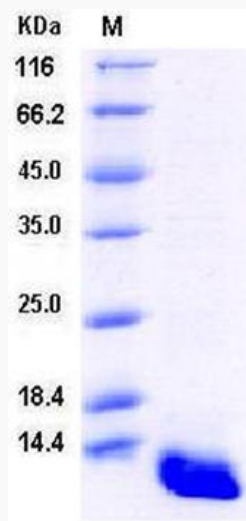
MIM [123885](#)

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SDS-PAGE



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