

Recombinant Full Length Human S100A8 Protein, His-tagged

Cat. No. S100A8-3732H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	S100A8;S100 calcium binding protein A8;MRP8;Calgranulin A;CAGA;CFAG;P8;His-tagged;Human
Species	Human
Source	E. coli
ProteinLength	1-93 aa
Description	S100A8 (S100 calcium binding protein A8), also known as MRP8 or Calgranulin A, is a calcium- and zinc-binding EF-hand protein predominantly expressed in myeloid cells including neutrophils and monocytes. It forms a heterodimer complex with S100A9 (Calprotectin) and plays critical roles in inflammatory responses, antimicrobial defense, cytoskeleton rearrangement, and arachidonic acid metabolism regulation.
Form	Liquid
Molecular Mass	12 kDa (calculated)
AASequence	MKHHHHHHASMLTELEKALNSIIDVYHKYSLIKGNFHAVYRDDLKLLTECPQYIRK KGADVWFKELDINTDGAVNFQEFLILVIKMGVAAHKKSHESHKE
Endotoxin	<1.0 EU/ug (by LAL)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90% (by SDS-PAGE)
Storage	Store under sterile conditions at -20°C to -80°C, aliquot, avoid repeated freeze-thaw cycles
Concentration	1 mg/ml (by BCA)
Storage Buffer	Sterile PBS, pH7.4

GENE INFORMATION

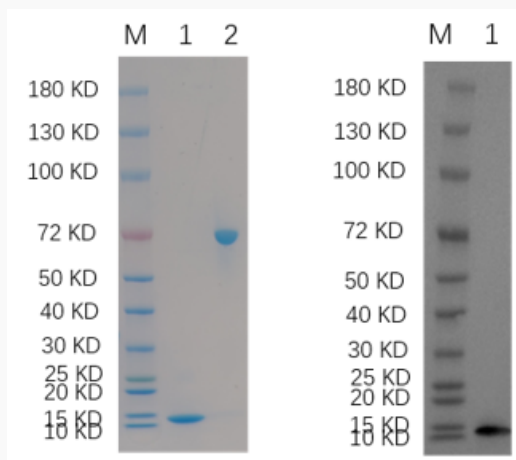
Gene Name	S100A8
Official Symbol	NM_002964.5
Synonyms	NP_002955.2
Gene ID	https://www.ncbi.nlm.nih.gov/protein/NP_002955.2
mRNA Refseq	https://www.uniprot.org/uniprotkb/P05109
Protein Refseq	https://www.ncbi.nlm.nih.gov/gene/6279
MIM	https://www.omim.org/entry/123885

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**SDS-PAGE and WB
analysis of S100A8-
3732H**



S100A8-3732H 1ug BSA 1ug Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified S100A8-3732H

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