

Active Recombinant Human S100A9, His tagged

Cat. No. S100A9-2215H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human S100A9 (NP_002956.1) (Met 1-Pro 114), fused with a polyhistidine tag at the C-terminus, was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	Met 1-Pro 114
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized S100A8-His at 10 µg/ml (100 µl/well) can bind S100A9-His, The EC50 of S100A9-His is 0.35-0.70 µg/mL.
Molecular Mass	The recombinant human S100A9 consists of 124 amino acids and predicts a molecular mass of 14.6 kDa. It migrates as an approximately 16 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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

GENE INFORMATION

Gene Name [S100A9 S100 calcium binding protein A9 \[Homo sapiens \]](#)

Official Symbol [S100A9](#)

Synonyms

S100A9; S100 calcium binding protein A9; CAGB, CFAG, S100 calcium binding protein A9 (calgranulin B) , S100 calcium binding protein A9 (calgranulin B); protein S100-A9; 60B8AG; CGLB; LIAG; MAC387; MIF; MRP14; NIF; P14; MRP-14; calgranulin B; calgranulin-B; calprotectin L1H subunit; leukocyte L1 complex heavy chain; migration inhibitory factor-related protein 14; S100 calcium-binding protein A9 (calgranulin B); CAGB; CFAG; L1AG;

Gene ID [6280](#)

mRNA Refseq [NM_002965](#)

Protein Refseq [NP_002956](#)

MIM [123886](#)

UniProt ID [P06702](#)

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