

S100A9 recombinant protein

S100A9, 1-114aa, Human, His tag, E Coli

CATALOG # AAA48648	HOST E Coli	APPLICATIONS SDS-Page
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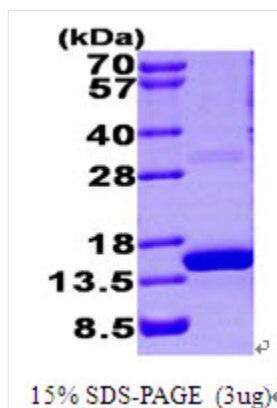
PRODUCT SYNONYMS

S100A9; 1-114aa; Human; His tag; E Coli; Protein S100-A9; Calgranulin B; 60B8AG; CAGB; CFAG; CGLB; L1AG; LIAG; MAC387; MIF; MRP14; NIF; P14; Protein S100-A9 AI323541; B8Ag; BEE11; CAGA; Calgranulin-A; Calprotectin L1L subunit; Calprotectin; included; CGLA; Chemotactic cytokine CP-10; CP-10; Cystic fibrosis antigen; Leukocyte L1 complex light chain MA387; Migration inhibitory factor-related protein 8; Myeloid-related protein 8; Neutrophil cytosolic 7 kDa protein; p8; Pro-inflammatory S100 cytokine; Protein S100-A8; S100 calcium binding protein A8; S100 calcium binding protein A8 (calgranulin A); S100A8; S100A8/S100A9 complex; urinary stone protein band A.; 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 10% glycerol 0.1M NaCl
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MTCKMSQLER NIETIINTFH QYSVKLGHPD TLNQGEFKEL VRKDLQNFLK KENKNEKVIE HIMEDLDTNA DKQLSFEEFI MLMARLTWAS HEKMHEGDEG PGHHHKPGLG EGTPLEHHHH HH
Sequence Length	114
Applicable Applications for S100A9 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for S100A9 recombinant protein	S100-A9, 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 S100A9 protein, fused to His-tag at C-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for S100A9 recombinant protein	Cancer
References	Schafer BW. et al. (1996) Trends Biochem Sci. 21 (4):134-40.; Nacken W.,et al. (2003) Microsc Res Tech. 60 (6):569-80.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506773
NCBI GeneID	6280
NCBI Accession #	NP_002956
NCBI GenBank Nucleotide #	NM_002965.3
UniProt Accession #	P06702; Q6FGA1; Q9NYM0; Q9UCJ1; D3DV36
Molecular Weight	14.3 kDa (122aa), confirmed by MALDI-TOF
NCBI Official Full Name	protein S100-A9
NCBI Official Synonym Full Names	S100 calcium binding protein A9
NCBI Official Symbol	S100A9
NCBI Official Synonym Symbols	MIF; NIF; P14; CAGB; CFAG; CGLB; L1AG; LIAG; MRP14; 60B8AG; MAC387
NCBI Protein Information	protein S100-A9
UniProt Protein Name	Protein S100-A9
UniProt Gene Name	S100A9
UniProt Synonym Gene Names	CAGB; CFAG; 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.