

Recombinant Full Length Human S100 calcium binding protein A4 Protein, His tagged

Cat. No. S100A4-409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human S100A4 Protein with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-101 aa
Description	<p>The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.</p>
Tag	N-His
Molecular Mass	14 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMACPLEKALDVMVSTFHKYSGKEGDKFKLNKSELK

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	ELLTRELP SFLGKRTDEAAFQKLMSNLDSNRDNEVDFQEYCVFLSCIAMMCNEFFE GFPDKQPRKK
Endotoxin	< 1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4, 5% Trehalose, 10% Glycerol
Concentration	1 mg/mL by BCA

GENE INFORMATION

Gene Name	S100A4 S100 calcium binding protein A4 [Homo sapiens (human)]
Official Symbol	S100A4
Synonyms	S100A4; S100 calcium binding protein A4; CAPL, MTS1, S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog) , S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog); protein S100-A4; 18A2; 42A; fibroblast specific protein 1; FSP1; P9KA; PEL98; protein Mts1; fibroblast-specific protein-1; placental calcium-binding protein; malignant transformation suppression 1; leukemia multidrug resistance associated protein; S100 calcium-binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog); CAPL; MTS1
Gene ID	6275

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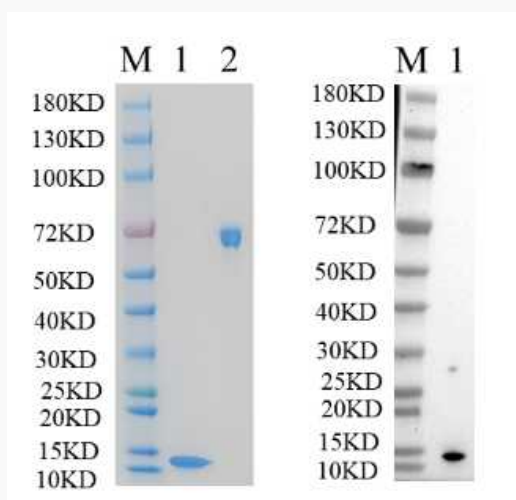
mRNA Refseq [NM_002961](#)

Protein Refseq [NP_002952](#)

MIM [114210](#)

UniProt ID [P26447](#)

Reducing 4%-20%
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
S100A4.



1. S100A4: 1 ug

2. BSA: 1 ug

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