

Recombinant Mouse S100a10 Protein, His-tagged

Cat. No. S100a10-383M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse S100A10, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
Description	S100A10 also known as S100 calcium binding protein A10 is a group of small Ca ²⁺ binding proteins with molecular weight of 10-12 kDa. Intracellular S100 proteins usually function as modulators of their target proteins, and exert various roles such as regulation of protein phosphorylation, enzyme activity, Ca ²⁺ homeostasis, cytoskeleton components, and transcription factors. Recent research suggests a role for S100A10 as a prognostic marker and potential therapeutic target in colorectal cancer.
Form	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.
Molecular Mass	13.6 kDa (120aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPSQMEH AMETMMLTFH RFAGDKDHLT KEDLRVLMER EFPGFLENQK DPLAVDKIMK DLDQCRDGKV GFQSFLSLVA GLTIACNDYF VVNMKQKGKK
Purity	>90% by SDS-PAGE

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Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	S100a10 S100 calcium binding protein A10 (calpactin) [Mus musculus]
Official Symbol	S100a10
Synonyms	S100A10; S100 calcium binding protein A10 (calpactin); protein S100-A10; calpactin I light chain; calpactin-1 light chain; cellular ligand of annexin II; S100 calcium-binding protein A10; calcium binding protein A11 (calgizzarin); S100 calcium binding protein A10 (calgizzarin); 42C; p10; p11; CAL12; CLP11; Cal11; AA409961; AL024248;
Gene ID	20194
mRNA Refseq	NM_009112
Protein Refseq	NP_033138
MIM	
UniProt ID	
Pathway	Prostaglandin Synthesis and Regulation, organism-specific biosystem;
Function	calcium ion binding;

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