

Recombinant Mouse S100a10 Protein, His-tagged

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

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant mouse S100A10, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| 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. |
| Source | E.coli |
| Species | Mouse |
| Tag | His |
| 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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