

Protein S100-A10, 1-97aa, Mouse, His tag, E.coli**Cat.NO.: TP03543**

3th Edition

Synonyms:42C, AA409961, AL024248, CAL12; Cal1I, CLP11, p10, p11, S100a10**Description:**S100A10 also known as S100 calcium binding protein A10 is a group of small Ca²⁺ 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, Ca²⁺ homeostasis, cytoskeleton components, and transcription factors. Recent research suggests a role for S100A10 as a prognostic marker and potential therapeutic target in colorectal cancer. Recombinant mouse S100A10, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.**Form:**Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.**Molecular Weight:**13.6 kDa (120aa)**Sequences:**MGSSHHHHHSSGLVPRGSHMGSMPSQMEHAMETMMLTFHRFAGDKDHLTKEDLRVLMEREFPGFLENQKDPL
AVDKIMKDLQCRDGKVGFSFLVAGLTIACNDYFVVMKQKGGK**Purity:**> 95% by HPLC**Concentration:**1 mg/ml (determined by Bradford assay)**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.