

Product information

S100A4, 1-101 aa

Mouse, His-tagged, Recombinant, *E.coli*

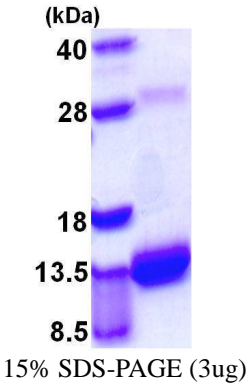
Cat. No. IBATGP1080

Full name: S100 calcium binding protein A4.

NCBI Accession No.: NP_035441

Synonyms: 18A2, 42a, Cap1, FSp1, metastasin, Mts1, PeL98, pk9a.

Description: S100A4 belongs to the S100 super-family of proteins containing 2 EF-hand calcium binding domains. This protein is ubiquitously overexpressed and is localized in the cytoplasm and/or nucleus. S100A4 may play a role in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of the S100A4 have been implicated in tumor metastasis. Recombinant mouse S100A4 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 20% glycerol, 2mM DTT, 0.1M NaCl.</p> <p>Molecular Weight: 13.9 kDa (121aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MARPLEEALD VIVSTFHKYS GKEGDKFKLN KTELKELLTR ELPSFLGKRT DEAAFQKVMS NLDSNRDNEV DFQEYCVFLS CIAMMCNEFF EGCPDKEPRK K</p>	

General references:

Sherbet GV., *et al.* (2009) *Cancer Lett.* 280(1):15-30.

Ambartsumian N., *et al.* (1995) *Gene.* 159(1):125-30.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.