

Product information



S100A4, 1-101 aa

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

Cat. No. IBATGP0319

Full name: S100 calcium-binding protein A4

NCBI Accession No.: NP_002952

Synonyms: 18A2, 42A, CAPL, FSP1, MTS1, P9KA, PEL98, Metastasin

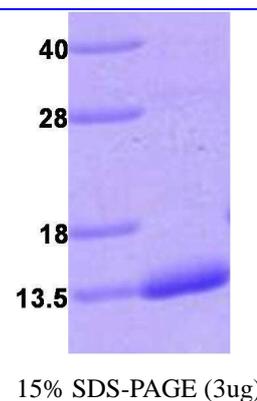
Description: S100A4, also known as S100 calcium-binding protein A4, belongs to the S100 super-family of proteins containing 2 EF-hand calcium binding domains. This protein is ubiquitously overexpressed and is localized in the cytoplasm and/or nucleus. S100A4 may play a role in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of the S100A4 gene have been implicated in tumor metastasis. Recombinant human S100A4 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Molecular Weight: 13.8 kDa (121aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MACPLEKALD VMVSTFHKYS GKEGDKFKLN KSELKELLTR ELPSFLGKRT DEAAFQKLMS NLDSNRDNEV
DFQEYCVFLS CIAMMCNEFF EGFPDKQPRK K

General references:

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

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

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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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.

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