Recombinant human S100A4 protein

Catalog Number: ATGP0319

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-101aa

UniProt No.
P26447

NCBI Accession No.
NP_002952.1

Alternative Names
S100 calcium-binding protein A4, S100 calcium-binding protein A4, 18A2, 42A, CAPL, FSP1, MTS1, P9KA, PEL98, Metastasin, S100A4, S100 calcium-binding protein A4 Protein S100 A4, S100 calcium binding protein A4.

PRODUCT SPECIFICATION

Molecular Weight
13.8 kDa (121aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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using conventional chromatography.

Amino acid Sequence

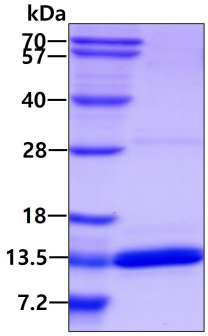
<MGSSHHHHHH SSGLVPRGSH> MACPLEKALD VMVSTFHKYS GKEGDKFKLN KSELKELLTR ELPSFLGKRT DEAAFQKLMS NLDSNRDNEV DFQEYCVFLS CIAMMCNEFF EGFPDKQPRK K

General References

Sherbet GV., et al. (2009) Cancer Lett. 280(1):15-30.
Ambartsumian N., et al. (1995) Gene. 159(1):125-30.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.