

Product information

S100A7, 1-101aa

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

Cat. No. IBATGP0991

Full name: S100 calcium binding protein A7

NCBI Accession No.: AAH34687

Synonyms: S100A7c

Description: S100A7, also known as Psoriasin, belongs to the S-100 family of calcium binding proteins and is secreted via a non-classical secretory pathway into the cytoplasm. It is thought to function in the regulation of many cellular processes, including the cell cycle, cell progression and cellular differentiation. It contains two EF-hand domains and is highly upregulated in psoriatic epidermis, as well as in bladder squamous cell carcinoma and breast cancer tissue, suggesting a possible role in carcinogenesis. Recombinant human S100A7 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

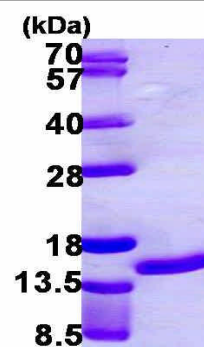
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol

0.1M NaCl, 1mM DTT

Molecular Weight: 13.6 kDa (121aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MSNTQAERSI IGMIDMFHKY TRRDDKIDKP SLLTMMKENFPNFLSACDKK GTNYLADVFE KKDKNEDKKI
DFSEFLSLLG DIATDYHKQS HGAAPCSGGS Q

General references:

Celis J.E., *et al.* (1998). *Structure.*, 6: 477-489

Martinsson H., *et al.* (2005). *Exp. Dermatol.*, 14: 161-168.

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.