

Recombinant Human S100A7, His-tagged

Cat. No. S100A7-3494H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human S100A7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
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.
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)
Sequences of amino acids	MGSSHHHHHH SGLVPRGSHMSNTQAERSI IGMIDMFHKY TRRDDKIDKP SLLTMMKENFPNFLSACDKK GTNYLADVFE KKDKNEDKKIDFSEFLSLLG DIATDYHKQS HGAAPCSGGSQ

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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.

GENE INFORMATION

Gene Name [S100A7](#) [S100 calcium binding protein A7 \[Homo sapiens \]](#)

Synonyms S100A7; S100 calcium binding protein A7; PSOR1; S100A7c; S100A7; S100 calcium-binding protein A7 (psoriasis 1); S100 calcium binding protein A7 (psoriasis 1); OTTHUMP00000015328; OTTHUMP00000015327; psoriasis 1

Gene ID [6278](#)

mRNA Refseq [NM_002963](#)

Protein Refseq [NP_002954](#)

MIM [600353](#)

UniProt ID [P31151](#)

Chromosome Location 1q21

Function calcium ion binding; protein binding; zinc ion binding

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