

Recombinant Human S100A14, His-tagged

Cat. No. S100A14-3401H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human S100A14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	S100A14 is a member of a subfamily of proteins related by EF-hand Ca ²⁺ binding protein superfamily. The extracellular functions of the S-100 family may include the ability to enhance neurite outgrowth, involvement in inflammation, and motility of tumor cells. S100A14 contains 2 EF-hand Ca ²⁺ -binding domains, a myristoylation motif, a glycosylation site, and several potential protein kinase phosphorylation sites. It is expressed at high level in the colon and at moderate level in the thymus, kidney, liver, small intestine, and lung.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT.
Molecular Weight	13.8 kDa (124 aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MGQCRSANAE DAQEFSDVER AIETLIKNFH QY SV EGGKET LTPSELRDLV TQQLPHLMPS NCGLEEKIAN LGSCNDSKLE FRSF

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WELIGE AAKSVKLERP VRGH.

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

[S100A14 S100 calcium binding protein A14 \[Homo sapiens \]](#)

Synonyms

S100A14; S100 calcium binding protein A14; BCMP84; S100A15; OTTHUMP00000032965; OTTHUMP00000032966; breast cancer membrane protein 84

Gene ID

[57402](#)

mRNA Refseq

[NM_020672](#)

Protein Refseq

[NP_065723](#)

MIM

[607986](#)

UniProt ID

[Q9HCY8](#)

**Chromosome
Location**

1q21.3

Function

calcium ion binding

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