Recombinant Human S100A14 protein, His & GST-tagged

Cat. No. S100A14-7903H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human S100A14 aa. (Met1~Ala91 (Accession # Q9HCY8)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ala91
Description	This gene encodes a member of the S100 protein family which contains an EF-hand motif and binds calcium. The gene is located in a cluster of S100 genes on chromosome 1. Levels of the encoded protein have been found to be lower in cancerous tissue and associated with metastasis suggesting a tumor suppressor function (PMID: 19956863, 19351828).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 4.6.

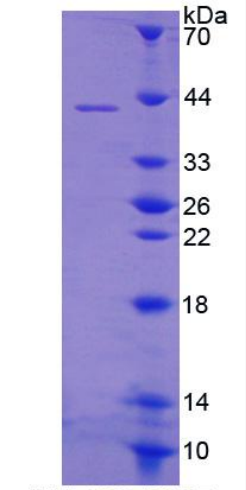
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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	S100A14 S100 calcium binding protein A14 [Homo sapiens (human)]
Official Symbol	S100A14
Synonyms	S100A14; S100 calcium binding protein A14; BCMP84; S100A15; protein S100-A14; S114; breast cancer membrane protein 84
Gene ID	57402
mRNA Refseq	NM_020672.2
Protein Refseq	NP_065723.1

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UniProt ID	Q9HCY8
SDS-PAGE	 15% SDS-PAGE

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