

Recombinant human S100A14 protein

Catalog Number: ATGP0969

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-104aa

UniProt No.

Q9HCY8

NCBI Accession No.

NP_065723

Alternative Names

S100 calcium binding protein A14, BCMP84, S100A15

PRODUCT SPECIFICATION

Molecular Weight

13.8 kDa (124aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT

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

S100A14 is a member of a subfamily of proteins related by EF-hand Ca²⁺ 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 Ca²⁺-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. Recombinant human S100A14 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGQCRSANAE DAQEFSDVER AIETLIKNFH QYSVEGGKET LTPSELRLDV TQQLPHLMPS
NCGLEEKIAN LGSCNDSKLE FRSFWELIGE AAKSVKLERP VRGH

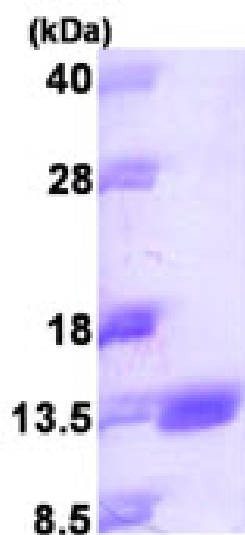
General References

Wright NT., et al. (2005) J Mol Biol. 353(2):410-26.

Zimmer DB., et al. (2005) Cell Mol Biol. 51(2):201-14.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)