

Recombinant human S100A6 protein

Catalog Number: ATGP0967

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-90aa

UniProt No.

P06703

NCBI Accession No.

NP_055439

Alternative Names

S100 calcium binding protein A6, 2A9, 5B10, CABP, CACY, PRA

PRODUCT SPECIFICATION

Molecular Weight

12.3 kDa (110aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 30% glycerol

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

S100A6, also known as CACY, is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. This protein may function as calcium sensor and contribute to cellular calcium signaling. Recombinant human S100A6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MACPLDQAIG LLVAIFHKYS GREGDKHTLS KKEKELIQK ELTIGSKLQD AEIARLMEDL
DRNKDQEVNF QEYVTFLGAL ALIYNEALKG

General References

Kim EH., et al. (2010) Oncogene. 29(33):4725-31.

Van Dieck J., et al. (2009) J Biol Chem. 284(20):13804-11.

DATA

SDS-PAGE

(KDa)



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

15% SDS-PAGE (3ug)