

Recombinant human S100A10 protein

Catalog Number: ATGP0958

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-97aa

UniProt No.

P60903

NCBI Accession No.

NP_002957.1

Alternative Names

S100 calcium binding protein A10, 42C, ANX2L, ANX2LG, CAL1, CLP11 GP11, p10, P11

PRODUCT SPECIFICATION

Molecular Weight

13.3 kDa (117aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 0.1M NaCl, 0.1mM PMSF

Purity

> 90% 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

S100 calcium binding protein A10, also known S100A10, is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and 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. S100A10 is primarily found in mast cells as heterotetrameric complexes that are present intracellularly at the plasma membrane or on the extracellular cell surface. Extracellular S100A10 is a key plasminogen receptor that plays an important role in cellular plasmin production and cellular invasiveness.

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Recombinant human S100A10 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MPSQMEHAME TMMFTFHKFA GDKGYLTKEG LRVLMEKEFP GFLENQKDPL
AVDKIMKDLD QCRDGKVGFG SFFSLIAGLT IACNDYFVVH MKQKGKK

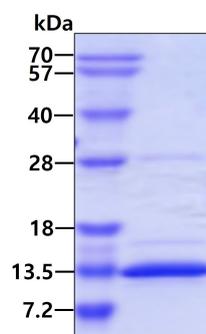
General References

El Rifai W., et al. (2000) Cancer Res. 62:6823-6826.

Gattaz W F., et al. (2000) Schizo Res. 43:91-5.

DATA

SDS-PAGE



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