

Recombinant human S100A13 protein

Catalog Number: ATGP0995

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-98aa

UniProt No.

Q99584

NCBI Accession No.

NP_001019384.1

Alternative Names

S100 calcium binding protein A13

PRODUCT SPECIFICATION

Molecular Weight

13.6 kDa (118aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50mM NaCl, 20% 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

S100A13, also known as S100 calcium binding protein A13, 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. It plays a role in the export of proteins that lack a signal peptide and are secreted by an alternative pathway. S100A13 protein has been shown to interact with SYT1 and FGF1. Recombinant human S100A13 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MAAEPLTELE ESIETVVTTF FTFARQEGRK DSLSVNEFKE LVTQQLPHLL
KDVGSLDEKM KSLDVNQDSE LKFNEYWRLI GELAKEIRKK KDLKIRKK

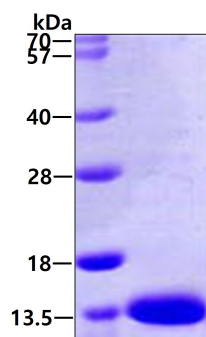
General References

Mandinova A., et al. (2003) Cell Sci. 116:2687-2696.

Jaurin B., et al. (1981) J Biol Chem. 281(50):38905-17.

DATA

SDS-PAGE



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