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### Recombinant human S100A13 protein

Catalog Number: ATGP0995

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-98aa

#### UniProt No.

099584

#### **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**

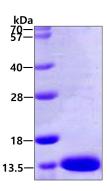
<MGSSHHHHHH SSGLVPRGSH> MAAEPLTELE ESIETVVTTF FTFARQEGRK DSLSVNEFKE LVTQQLPHLL KDVGSLDEKM KSLDVNQDSE LKFNEYWRLI GELAKEIRKK KDLKIRKK

#### **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.

