

## Recombinant Human S100A13, His-tagged

**Cat. No.** S100A13-3722H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Total 108 AA. MW: 12.66 kDa (calculated). N-Terminal His-tag, 10 extra AA (highlighted).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Protein S100-A13 is a protein that in humans is encoded by the S100A13 gene. The protein encoded by this gene 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. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein is widely expressed in various types of tissues with a high expression level in thyroid gland.
<b>Form</b>	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5.
<b>Reconstitution</b>	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
<b>Applications</b>	Western blotting
<b>Quality Control Test</b>	BCA to determine quantity of the protein; SDS PAGE to determine purity of the

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 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

protein

**Sequences of amino acids**

MKHHHHHHAS MAAEPLTELE ESIETVVVTF FTFARQEGRK DSLSVNEFKE  
LVTQQLPHLL KDVGSLDEKM KSLDVNQDSE LKFNEYWRLI GELAKEIRKK  
KDLKIRKK

**Storage**

Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

## GENE INFORMATION

**Gene Name**

S100A13 S100 calcium binding protein A13 [ Homo sapiens ]

**Official Symbol**

S100A13

**Synonyms**

S100A13; S100 calcium binding protein A13; protein S100-A13; S100 calcium-binding protein A13; Protein S100-A13

**Gene ID**

6284

**mRNA Refseq**

NM\_001024210

**Protein Refseq**

NP\_001019381

**MIM**

601989

**UniProt ID**

Q99584

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**Chromosome**

1q21

**Location**

**Function**

RAGE receptor binding; calcium ion binding; copper ion binding; fibroblast growth factor 1 binding; lipid binding; protein binding; protein homodimerization activity; zinc ion binding

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