

Recombinant Human S100A13, His-tagged

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

SPECIFICATION

Product Overview	Total 108 AA. MW: 12.66 kDa (calculated). N-Terminal His-tag, 10 extra AA (highlighted).
Species	Human
Source	E.coli
Description	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.
Form	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5.
Reconstitution	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.
Applications	Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the

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

	protein
Sequences of amino acids	MKHHHHHHAS MAAEPLTELE ESIETVVTF 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 Location	1q21
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

ProteinS100A13 PDB
1yur

