

## Recombinant Human S100A13 protein, His-tagged

Cat. No. S100A13-3495H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human S100A13(1-98aa) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-98 a.a.
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 50mM NaCl, 20% glycerol
<b>Molecular Mass</b>	13.6 kDa (118aa), confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSHLKFNEYWRLI GELAKEIRKK KDLKIRKKMAAEPLTELE ESIVTVVTTTF FTFARQEGRK DSLSVNEFKE LVTQQLPHLL KDVGSLDEKM KSLDVNQDSE

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<b>Purity</b>	>95% by SDS - PAGE
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

<b>Gene Name</b>	S100A13 S100 calcium binding protein A13 [ Homo sapiens ]
<b>Official Symbol</b>	S100A13
<b>Synonyms</b>	S100A13; S100 calcium binding protein A13; protein S100-A13; S100 calcium-binding protein A13;
<b>Gene ID</b>	6284
<b>mRNA Refseq</b>	NM_001024213
<b>Protein Refseq</b>	NP_001019384
<b>MIM</b>	601989
<b>UniProt ID</b>	Q99584
<b>Chromosome Location</b>	1q21
<b>Function</b>	RAGE receptor binding; calcium ion binding; copper ion binding; fibroblast growth factor 1 binding; lipid binding; protein binding; protein homodimerization activity; zinc

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