

Recombinant Human S100A11 protein, His-tagged

Cat. No. S100A11-3441H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human S100A11(1-105aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-105 a.a.
Description	S100A11 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. This protein may function in motility, invasion, and tubulin polymerization.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 0.1M NaCl, 1mM DTT
Molecular Mass	14.2kDa (128aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSGLDNTSDGQLD FSEFLNLIGG LAMACHDSFL KAVPSQKRT MAKISS PTETERCIES LIAVFQKYAG KDGNYNTLSK TEFLSFMNTE LAAFTKNQKD PGVLDRMMKK
Purity	>95% by SDS - PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage	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.
Concentration	1.0 mg/ml (determined by BCA assay)
GENE INFORMATION	
Gene Name	S100A11 S100 calcium binding protein A11 [Homo sapiens]
Official Symbol	S100A11
Synonyms	S100A11; S100 calcium binding protein A11; S100 calcium binding protein A11 (calgizzarin) , S100 calcium binding protein A11 (calgizzarin); protein S100-A11; S100C; MLN 70; calgizzarin; protein S100-C; metastatic lymph node gene 70 protein; S100 calcium-binding protein A11 (calgizzarin); MLN70;
Gene ID	6282
mRNA Refseq	NM_005620
Protein Refseq	NP_005611
MIM	603114
UniProt ID	P31949
Chromosome Location	1q21
Function	S100 beta binding; calcium ion binding; calcium-dependent protein binding; protein

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binding; protein homodimerization activity;

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