

Recombinant Human S100A11, His-tagged

Cat. No. S100A11-3720H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Total 115 AA. MW: 12.98 kDa (calculated). N-Terminal His-tag, 10 extra AA (highlighted). |
| Species | Human |
| Source | E.coli |
| Description | Protein S100-A11 is a protein that in humans is encoded by the S100A11 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. |
| 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 protein |

 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

Sequences of amino acids MKHHHHHHAS MAKISSPTET ERCIESLIAV FQKYAGKDG Y NYTL SKTEFL
SFMNTELA AF TKNQKDPGVL DRMMKKLDTN SDGQLDFSEF LNLIGGLAMA
CHDSFLKAVP SQKRT

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 [S100A11 S100 calcium binding protein A11 \[Homo sapiens \]](#)

Official Symbol [S100A11](#)

Synonyms S100A11; S100 calcium binding protein A11; MLN70; S100C; protein S100-A11; MLN 70; calgizzarin; protein S100-C; OTTHUMP00000015271; metastatic lymph node gene 70 protein; S100 calcium-binding protein A11 (calgizzarin); S100 calcium binding protein A11 (calgizzarin); Protein S100-A11; Calgizzarin; Metastatic lymph node gene 70 protein; Protein S100-C; S100 calcium-binding protein A11

Gene ID [6282](#)

mRNA Refseq [NM_005620](#)

Protein Refseq [NP_005611](#)

MIM [603114](#)

UniProt ID [P31949](#)

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| | |
|----------------------------|---|
| Chromosome Location | 1q21 |
| Function | S100 beta binding; calcium ion binding; calcium-dependent protein binding; protein binding; protein homodimerization activity |

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