

Recombinant Human S100A11, His-tagged

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

SPECIFICATION

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

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Sequences of amino acids	MKHHHHHHAS MAKISSPTET ERCIESLIIV 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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