

Recombinant Human S100A7A, His-tagged

Cat. No. S100A7A-3731H Lot. No. (See product label)

SPECIFICATION

Product Overview	Total 109 AA. MW: 12.3 kDa (calculated). N-Terminal His-tag, 9 extra AA (highlighted).
Species	Human
Source	E.coli
Description	Koebnerisin also known as protein S100-A7A (S100A7A), S100 calcium-binding protein A7-like 1 (S100A7L1) or S100 calcium-binding protein A15 (S100A15) is a protein that in humans is encoded by the S100A7A (alias:S100A15) gene. S100 proteins are a diverse calcium-binding family that regulate fundamental cellular and extracellular processes including cell proliferation and differentiation, cell migration, and the antimicrobial host defense as antimicrobial peptides.
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

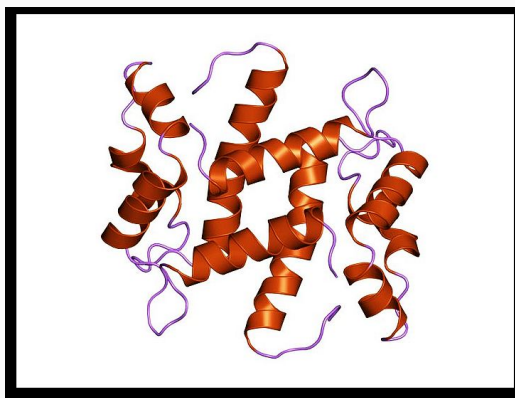
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Sequences of amino acids	MKHHHHHHAS NTQAERSIIG MIDMFHKYTG RDGKIEKPSL LTMMKENFPN FLSACDKKGI HYLATVFEKK DKNEDKKIDF SEFLSLLGDI AADYHKQSHG AAPCSGGSQ
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	S100A7A S100 calcium binding protein A7A [Homo sapiens]
Official Symbol	S100A7A
Synonyms	S100A7A; S100 calcium binding protein A7A; NICE-2; S100A15; S100A7f; S100A7L1; protein S100-A7A; OTTHUMP00000015324; S100 calcium binding protein A15; S100 calcium-binding protein A15; S100 calcium-binding protein A7A; S100 calcium binding protein A7-like 1; S100 calcium-binding protein A7-like 1
Gene ID	338324
mRNA Refseq	NM_176823
Protein Refseq	NP_789793
UniProt ID	Q86SG5
Chromosome Location	1q22

Function	calcium ion binding
-----------------	---------------------

PDB 3psrEBI	
--------------------	--



 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