Protein S100-A7 (s100A7) Horse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein S100-A7 (s100A7), Recombinant Protein
Full Product Name	Recombinant Horse Protein S100-A7 (s100A7)
Product Gene Name	s100A7 recombinant protein
Product Synonym Gene Name	s100A7
Sequence	SETEAEASVI GIIELFHKYT GRDDMIDKPG LLKMLQDNFP NFLAACDKKG TDYLANVFEK KDKNRDKKID FSEFLSLLGD IATDYHKQSH GAPACSEGDQ
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	11,332 Da
Sequence Positions	2-101, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q14ST5
Species	Equus caballus (Horse)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for s100A7 recombinant protein	This protein 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. This protein differs from the other S100 proteins of known structure in its lack of calcium binding ability in one EF-hand at the N-terminus. This protein is markedly over-expressed in the skin lesions of psoriatic patients, but is excluded as a candidate gene for familial psoriasis susceptibility. The exact function of this protein is not known.
Other Notes	Small volumes of s100A7 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for s100A7 purchase	MBS1325167 is a recombinant protein targeting s100A7. Also known as Recombinant Horse Protein S100-A7 (s100A7). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for s100A7. It may not necessarily be applicable to this product.

NCBI GI #	126352514

NCBI GeneID	100033976
NCBI Accession #	NP_001075349.1
UniProt Primary Accession #	Q14ST5
UniProt Related Accession #	Q14ST5
GenBank Nucleotide #	NM_001081880.1
NCBI Official Full Name	protein S100-A7
NCBI Official Symbol	S100A7
UniProt Protein Name	Protein S100-A7
UniProt Synonym Protein Names	Psoriasin; S100 calcium-binding protein A7
Protein Family	Protein
UniProt Gene Name	s100A7
NCBI Protein Information	protein S100-A7
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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