

Recombinant Full Length Human S100A7 Protein, GST-tagged

Cat. No. S100A7-633HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human S100A7(1 a.a. - 101 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	101 amino acids
Description	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. 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. The protein is overexpressed in hyperproliferative skin diseases, exhibits antimicrobial activities against bacteria and induces immunomodulatory activities.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.85 kDa
AA Sequence	MSNTQAERSI IGMIDMFHKY TRRDDKIDKP SLLTMMKENF PNFLSACDKK GTNYLADVFE KKDKNEDKKI DFSEFLSLLG DIATDYHKQS HGAAPCSGGS Q

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
GENE INFORMATION	
Gene Name	S100A7 S100 calcium binding protein A7 [Homo sapiens]
Official Symbol	S100A7
Synonyms	S100A7; S100 calcium binding protein A7; PSOR1, S100 calcium binding protein A7 (psoriasin 1) , S100 calcium binding protein A7 (psoriasin 1); protein S100-A7; S100A7c; psoriasin 1; S100 calcium-binding protein A7 (psoriasin 1); PSOR1
Gene ID	6278
mRNA Refseq	NM_002963
Protein Refseq	NP_002954
MIM	600353
UniProt ID	P31151

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