

Recombinant Mouse S100a3 Protein, His-tagged

Cat. No. S100a3-7321M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse S100A3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	1-101
Description	Binds both calcium and zinc. May be involved in calcium-dependent cuticle cell differentiation, hair shaft and hair cuticular barrier formation.
Form	Liquid
Molecular Mass	14.3 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMTRPLEQAVAAIVCTFQEYAGRCGDKYKICQ SELKELLQKELPTWTPSEFRECDYNKFMVLDTNKDCEVDFGEYVRSLASLCLYCH EYFKECPPEPPCPQ
Purity	> 95 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade

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for longer. Avoid repeated freezing and thawing.

Concentration	1.0 mg/mL (determined by Bradford assay)
Storage Buffer	20 mM Tris-HCl buffer, pH 8.0, 10 % glycerol, 2 mM DTT, 150 mM NaCl

GENE INFORMATION

Gene Name	S100a3 S100 calcium binding protein A3 [Mus musculus (house mouse)]
Official Symbol	S100a3
Synonyms	S100a3; S100 calcium binding protein A3; S100; S100E; protein S100-A3
Gene ID	20197
mRNA Refseq	NM_001355597
Protein Refseq	NP_001342526
UniProt ID	P62818

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