

Recombinant Human S100A3, His-tagged

Cat. No. S100A3-3541H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanS100A3 protein, fused to His-tag at N-terminus, was expressed in E. coliand purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	S100A3 is a memberof 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 rangeof cells, and involved in the regulation of a number of cellular processessuch as cell cycle progression and differentiation. S100A3 binds calcium withlow affinity and zinc with high affinity and is believed to play a role inthe calcium-dependent differentiation of cuticle cells and in the formationof hair shafts.
Application	SDS-PAGE
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.2M NaCl.
Molecular Weight	13.9 kDa (121aa),confirmed by MALDI-TOF
Purity	> 90% by SDS-PAGE
Concentration	1 mg/ml(determined by Bradford assay)

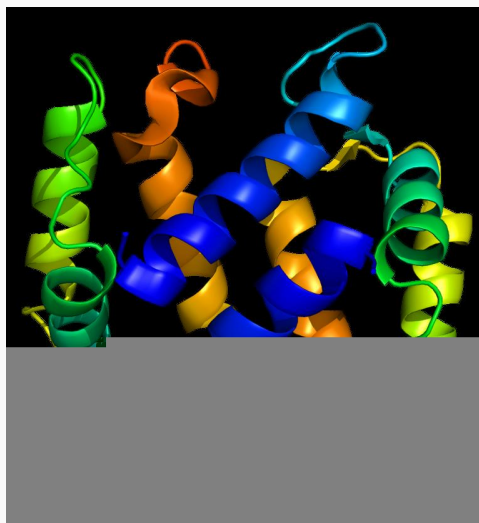
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Sequences of aminoacids	MGSSHHHHHSSGLVPRGSH MARPLEQAVA AIVCTFQEYA GRCGDKYKLC QAEKELLQK ELATWTPTEFRECDYNKFMS VLDTNKDCEV DFVEYVRSLA CLCLYCHEYF KDCPSEPPCS Q
Storage	Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
OfficialSymbol	S100A3
GENE INFORMATION	
Gene Name	S100A3 S100 calcium bindingprotein A3 [Homo sapiens]
Synonyms	S100A3; S100calcium binding protein A3; S100E; protein S100-A3;S100 calcium-binding protein A3; Protein S-100E
Gene ID	6274
mRNA Refseq	NM_002960
Protein Refseq	NP_002951
MIM	176992
UniProt ID	P33764
Chromosome Location	1q21
Function	calcium ion binding

PDB rendering
based on 1kso.



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