Recombinant human S100A3 protein

Catalog Number: ATGP1078

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-101aa

UniProt No.
P33764

NCBI Accession No.
NP_002951

Alternative Names
S100 calcium binding protein A3, S100E

PRODUCT SPECIFICATION

Molecular Weight
13.9 kDa (121aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 0.2M NaCl.

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
S100A3 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. S100A3 binds calcium with low affinity and zinc with high affinity and is believed to play a role in the calcium-dependent differentiation of cuticle cells and in the formation of hair shafts. Recombinant human S100A3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Recombinant human S100A3 protein

Catalog Number: ATGP1078

Amino acid Sequence

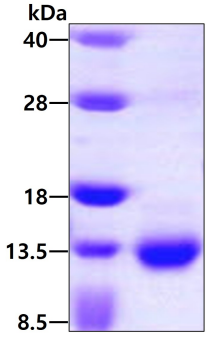
<MGSSHHHHHH SSGLVPRGSH> MARPLEQAVA AIVCTFQEYA GRCGDKYKLC QAELKELLQK ELATWTPTEF RECDYNKFMS VLDTNKDCEV DFVEYVRSLA CLCLYCHEYF KDCPSEPPCS Q

General References

Fritz G., et al. (1998) Biochim Biophys Acta. 1448(2):264-76.
Kizawa K., et al. (2008) J Biol Chem. 283(8):5004-13.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.