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Recombinant mouse S100A8 protein

Catalog Number: ATGP1085

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-89aa

UniProt No.
P27005

NCBI Accession No.
NP_038678.1

Alternative Names
Protein S100-A8, 60B8Ag, AI323541, B8Ag, Caga, CFAg, CP-10, MRP8, p8

PRODUCT SPECIFICATION

Molecular Weight
12.4 kDa (109aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.1M NaCl,1mM DTT

Purity
> 95% 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
S100A8, also known MRP8, is a member of the S100 family, EF-hand superfamily of calcium binding proteins. This protein is 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. It functions both intracellularly and extracellularly, where it binds to RAGE and CD36. Altered expression of this protein is associated with the disease cystic fibrosis. Recombinant mouse S100A8 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

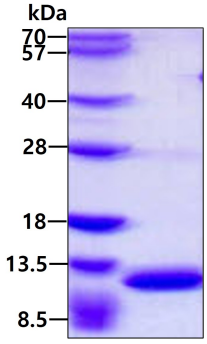
<MGSSHHHHHH SSGLVPRGSH> MPSELEKALS NLIDVYHNYS NIQGNHHALY KNDFKKMVTT ECPQFVQNIN IENLFRELDI NSDNAINFEE FLAMVIKVGV ASHKDSHKE

General References

Kerkhoff C., et al. (1999) Biochim. Biophys. 1448(2):200-11.
Nacken W., et al. (2003) Biochim. Biophys. 60(6):569-80.

DATA

SDS-PAGE



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