

Recombinant Mouse S100-A9 Protein

Catalog No.: RP03159LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	20202	P31725

Tags

N-His

Synonyms

S100-A9; Calgranulin-B; Calprotectin L1H subunit; MRP-14; p14; CAGB; MRP14;S100A9

Product Information

Source	Purification
<i>E. coli</i>	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
14.1 kDa	29 kDa (dimer)&15 kDa (monomer)

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as 0.22μm filtered solution in PBS, 1mM DTT, 20% Glycerol pH 7.5.

Reconstitution

Background

S100A8 and S100A9 (also known as MRP8 and MRP14, respectively) are Ca²⁺ binding proteins belonging to the S100 family. They often exist in the form of heterodimer, while homodimer exists very little because of the stability. S100A8/A9 is constitutively expressed in neutrophils and monocytes as a Ca²⁺ sensor, participating in cytoskeleton rearrangement and arachidonic acid metabolism.

Basic Information

Description

Recombinant Mouse S100-A9 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala2-Lys113) of mouse S100A9/MRP14 fused with a His tag at the N-terminus.

Bio-Activity

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

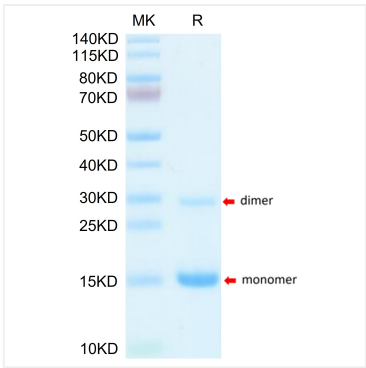
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Validation Data



Recombinant Mouse S100-A9 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.