

Human S100A8 & S100A9 Heterodimer Protein

Catalog Number: CT002-H0822B



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

CAGA; CAGB; CFAG; MRP14; MRP8 & S100A9; S100A8

Protein Construction:

A DNA sequence encoding the human S100A8 (NP_002955.2) (Met1-Glu93) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the human S100A9 (NP_002956.1) (Met1-Pro114) was fused with a flag tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the S100A8 & S100A9 heterodimer was purified.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg protein as determined by the LAL method.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met & Met

Molecular Mass:

The recombinant human S100A8 & S100A9 heterodimer comprises 103 amino acids (S100A8) and 122 amino acids (S100A9). It has a calculated molecular mass of 12.2 kDa (S100A8) and 14.2 kDa (S100A9).

Formulation:

Lyophilized from sterile 50 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

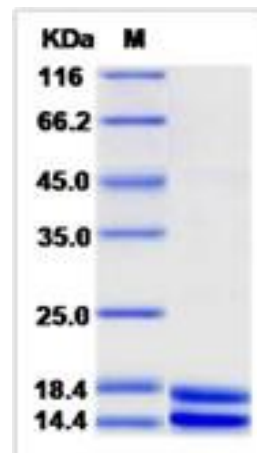
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



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