

## S100A8 & S100A9 Heterodimer Protein, Human, Recombinant (Flag & His)

### General Information

Synonyms: S1A8;CAGA;CFAG;CAGB;MRP8 & S1A9;MRP14

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. Predicted N terminal: Met & Met

Species: Human

Expression Host: Baculovirus Insect Cells

Accession: NP\_002955.2&NP\_002956.1

Molecular Weight: 12.2 kDa (predicted)

### QC Testing

Biological Activity: Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity:  $\geq 85\%$  as determined by SDS-PAGE.  $\geq 85\%$  as determined by SEC-HPLC.

Endotoxin:  $< 1.0$  EU/ $\mu$ g of the protein as determined by the LAL method.

Formulation: Lyophilized from a solution filtered through a  $0.22\ \mu\text{m}$  filter, containing 50 mM Tris, 500 mM NaCl, 10% glycerol, pH 8.0. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at  $-80^{\circ}\text{C}$ . For reconstituted protein solutions, the solution can be stored at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, Lyophilized powders are shipping with blue ice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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