

## 32-7649: Recombinant Human S100 Calcium Binding Protein A8/S100A8/Mrp8 (C-6His)

**Gene :** S100A8

**Gene ID :** 6279

**Uniprot ID :** P05109

### Description

Source: E.coli.

MW :11.7kD.

Recombinant Human S100 Calcium Binding Protein A8 is produced by our E.coli expression system and the target gene encoding Met1-Glu93 is expressed with a 6His tag at the C-terminus. Protein S100-A8 (also MRP8 and calgranulin A) is a calcium- and zinc-binding protein. It plays a prominent role in the regulation of inflammatory processes and immune response. S100A8 can induce neutrophil chemotaxis and adhesion. Its role as an oxidant scavenger has a protective role in preventing exaggerated tissue damage by scavenging oxidants. It can act as a potent amplifier of inflammation in autoimmunity as well as in cancer development and tumor spread.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, pH 7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** MLTELEKALNSIIDVYHKYSLIKGNFHAVYRDDLKKLLETQYIRKKGADVWFKELDINTDGAVNFQEFLLVIK  
MGVAAHKKSHEESHKEHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.