

## 32-8352: Recombinant Mouse S100 Calcium Binding Protein A8/S100A8 (C-6His)

**Gene :** S100a8

**Gene ID :** 20201

**Uniprot ID :** P27005

### Description

Source: E. coli.

MW :11.3kD.

Recombinant Mouse S100 Calcium Binding Protein A8 is produced by our E.coli expression system and the target gene encoding Met1-Glu89 is expressed with a 6His tag at the C-terminus. Protein S100-A8(Mrp8) contains 2 EF-hand domains and belongs to the S-100 family. Mrp8 binds two calcium ions per molecule with an affinity similar to that of the S-100 proteins. S100 proteins are 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. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. It may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mMTris,pH8.0.

**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 :** MATELEKALSNVIEVYHNYSYGIKGNHHALYRDDFRKMVTTECPQFVQNKNTESLFKELDVNSDNAINFEEFLVL  
VIRVGVAAHKDSHKELEHHHHHHH

### Application Note

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