

Recombinant Mouse S100 Calcium Binding Protein A8/S100A8 Protein(C-6His)

Cat.NO.: TP05415

3th Edition

Synonyms:Protein S100-A8;Calgranulin-A;Chemotactic cytokine CP-10;Leukocyte L1 complex light chain;Migration inhibitory factor-related protein 8;MRP-8;Pro-inflammatory S100 cytokine;S100 calcium-binding protein A8;S100a8;Caga; Mrp8

Description: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.

Form:PBS

Molecular Weight:11.3 kDa

Sequences:Met1-Glu89

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.