

## 32-4733: Recombinant Human S100 Calcium Binding Protein A12

**Alternative Name :** Extracellular newly identified RAGE-binding protein, Protein S100-A12, CGRP, Calcium-binding protein in amniotic fluid 1, CAAF1, Calgranulin-C, CAGC, EN-RAGE, Neutrophil S100 protein, S100 calcium-binding protein A12, p6, S100A12, MRP6, ENRAGE.

### Description

Source : Escherichia Coli. The Recombinant Human S100A12 produced in E.coli has a molecular mass of 11.63kDa containing 101 amino acid residues of the human S100A12 and fused to a 10 a.a. His tag at N-terminus. S100A12 belongs to the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 family members are localized in the cytoplasm and/or nucleus of a wide range of cells, and are involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100A12 may be involved in specific calcium-dependent signal transduction pathways and its regulatory effect on cytoskeletal components may modulate various neutrophil activities.

### Product Info

**Amount :** 10 µg  
**Content :** S100A12 was filtered (0.4µm) and lyophilized in 0.5 mg/ml in 20mM Tris and 50mM NaCl, pH 7.5.  
**Storage condition :** Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.  
**Amino Acid :** MKHHHHHHAS TKLEEHLEGI VNIFHQYSVR KGHFDLSKG ELKQLLTKEK ANTIKNIKDK AVIDEIFQGL DANQDEQVDFQEFISLVAIA LKAAHYHCHK E.

### Application Note

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

