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S100A12 Human

S100 Calcium Binding Protein A12 Human Recombinant
RCP1951

Product Overview

Name	S100A12 Human
Description	
S100 Calcium Binding Protein A12 Human Recombinant	
Accession (Primary)	P80511
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Formulation	
S100A12 was filtered (0.4 µm) and lyophilized in 0.5 mg/ml in 20mM Tris and 50mM NaCl, pH 7.5.	
Stability	
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 sequence	
MKHHHHHHAS TKLEEHLEGI VNIFHQYSVR KGHFDTLSKG ELKQLLTKEL ANTIKNIKDK AVIDEIFQGL DANQDEQVDFQEFISLVAIA LKAAHYHTHK E.	
Solubility	
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.

Precautions

S100A12 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P80511)