9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

S100A2 Human

S100 Calcium Binding Protein A2 Human Recombinant
RCP1956

Product Overview

Name	S100A2 Human
Description	
S100 Calcium Binding Protein A2 Human Recombinant	
Accession (Primary)	P29034
Synonyms	
Protein S100-A2, CAN19, Protein S-100L, S100 calcium-binding protein A2, S100A2, S100L, MGC111539.	
Introduction	
S100A2 belongs to the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100A2 may function as a modulator against excess calcium accumulation in normal human mammary epithelial cells and also have a role in suppressing tumor cell growth. S100A2 may have a tumor suppressor function. 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. Chromosomal rearrangements and altered expression of the S100A2 gene are implicated in breast cancer.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The S100A2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 30% glycerol and 0.2M NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MCSSLEQALA VLVTTFHKYS CQEGDKFKLS KGEMKELLHK ELPSFVGEKV DEEGLKKLMG SLDENSDQQV DFQEYAVFLA LITVMCNDFF QGCPDRP.	
Precautions	

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S100A2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P29034)