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

S100G Human

S100 Calcium Binding Protein G Human Recombinant
RCP1981

Product Overview

Name	S100G Human
Description	
S100 Calcium Binding Protein G Human Recombinant	
Accession (Primary)	P29377
Synonyms	
Protein S100-G, Calbindin-D9k, S100 calcium-binding protein G, Vitamin D-dependent calcium-binding protein intestinal, CABP, S100G, CABP9K, CALB3, S100D, CABP1, MGC138379.	
Introduction	
S100G (calbindin D9K) is a vitamin D-dependent calcium-binding protein. S100G, which is a cytosolic protein, is a member of a family of calcium-binding proteins that includes calmodulin, parvalbumin, troponin C, and S100 protein. In the intestine, S100G is vitamin D-dependent and its expression correlates with calcium transport activity. S100G may increase Ca2+ absorption by buffering Ca2+ in the cytoplasm and increase ATP-dependent Ca2+ transport in duodenal basolateral membrane vesicles.	
Source	
Escherichia Coli.	
Formulation	
S100G 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	
MKHHHHHHA S TKKSPEELKRS TKKSPEELKR IFEKYAAKEG DPDQLSKDEL KLLIQAEFPS LLKGPNTLDD LFQELDKNGD GEVSFEEFQV LVKKISQ.	
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.	

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Applications

Western blotting.

Precautions

S100G Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P29377)