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

S100G Rat

S100 Calcium Binding Protein G Rat Recombinant
RCP1982

Product Overview

Name	S100G Rat
Description	
S100 Calcium Binding Protein G Rat Recombinant	
Accession (Primary)	P02634
Synonyms	
Protein S100-G, S100 calcium-binding protein G, Vitamin D-dependent calcium-binding protein intestinal, CABP, Calbindin-D9k, 9 kDa CaBP, Cholecalcin, S100g, Calb3, S100d, Cbpi, MGC72928, Rncalbd9.	
Introduction	
Calretinin is an intracellular calcium-binding protein belonging to the troponin C superfamily characterized by a structural motif described as the EF-hand domain. The immunohistochemical detection of calretinin in developing cerebellum is restricted to the later stages indicated by weak staining from week 21 of gestation, in Purkinje and basket cells and in neurons of the dentate nucleus. The intensity of staining increases as the cerebellum matures. In tumors, calretinin has been detected in mesotheliomas and some pulmonary adenocarcinomas.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized from a concentrated solution (1mg/ml) containing 100mM Phosphate buffer, pH 7.3.	
Stability	
Lyophilized CABP9K although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CABP9K should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Solubility	
It is recommended to reconstitute the lyophilized CABP9K in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.	

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Precautions

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

Target Information: (P02634)