
Product Data Sheet

Product Name: S100G Rat
 Cat. No.: GP24482
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
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.		
Solubility	It is recommended to reconstitute the lyophilized CABP9K in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized from a concentrated solution (1mg/ml) containing 100mM Phosphate buffer, pH 7.3.		

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.

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.

Background

CaBP9K is expressed with a -6xHis tag and purified by proprietary chromatographic

Caution: Product has not been fully validated for medical applications. For research use only.

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