

S100 Calcium Binding Protein G Rat Recombinant

Item Number	rAP-2914
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.
Description	CaBP9K is expressed with a -6xHis tag and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P02634
Amino Acid Sequence	
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The protein was lyophilized from a concentrated solution (1mg/ml) containing 100mM Phosphate buffer, pH 7.3. Greater than 90% as determined by SDS-PAGE.
Application	
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.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**