

## Calbindin-1 Rat Recombinant

<b>Item Number</b>	rAP-2879
<b>Synonyms</b>	Calbindin, Vitamin D-dependent calcium-binding protein, avian-type, Calbindin D28, D-28K, Spot 35 protein, Calb1, CaBP28K, MGC93326.
<b>Description</b>	Recombinant Rat Calbindin-1 produced in E.Coli. The Rat CALB1 is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P07171
<b>Amino Acid Sequence</b>	
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized CABP28K although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CABP28K 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.
<b>Formulation and Purity</b>	The protein was lyophilized from a concentrated solution (1mg/ml) containing 50mM NaHCO <sub>3</sub> . Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	CABP28K can be used for immunoblots, absorption experiments in immunohistochemistry, radioimmunoassay and intracellular injection. For adsorption we suggest the following procedure A- Dilute 1 µl of the monoclonal antibody against calbindin D-28k in 5 ml of
<b>Solubility</b>	It is recommended to reconstitute the lyophilized CABP28K in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**