CRABP1 Protein, Human

Cat. No.:	HY-P75687
Synonyms:	Cellular retinoic acid-binding protein 1; CRABP-I; RBP5
Species:	Human
Source:	E. coli
Accession:	AAH22069.1 (M1-E137)
Gene ID:	1381
Molecular Weight:	Approximately 14 kDa

PROPERTIES

AA Sequence	M P N F A G T W K M R S S E N F D E L L K A L G V N A M L R K V A V A A A S K P H V E I R Q D G D Q F Y I K T S T T V R T T E I N F K V G E G F E E E T V D G R K C R S L A T W E N E N K I H C T Q T L L E G D G P K T Y W T R E L A N D E L I L T F G A D D V V C T R I Y V R E
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 8.0, 10% Glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Cellular Retinoic Acid-Binding Protein 1 (CRABP1) is a cytosolic protein known to play a role in regulating the access of retinoic acid to nuclear retinoic acid receptors. As part of the cellular retinoic acid-binding protein family, CRABP1 is involved in intracellular retinoid metabolism and signaling. Specifically, its cytosolic location suggests that it may act as a mediator in controlling the availability of retinoic acid to nuclear retinoic acid receptors, influencing the downstream effects of retinoic acid signaling. This regulatory function underscores the importance of CRABP1 in modulating the cellular responses to retinoic acid, a crucial signaling molecule involved in various physiological processes, including development and differentiation.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA