

## CRABP2 Protein, Human (His)

<b>Cat. No.:</b>	HY-P75688
<b>Synonyms:</b>	Cellular retinoic acid-binding protein 2; CRABP-II; CRABP2
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	P29373 (P2-E138)
<b>Gene ID:</b>	1382
<b>Molecular Weight:</b>	Approximately 16 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           P N F S G N W K I I      R S E N F E E L L K      V L G V N V M L R K      I A V A A A S K P A            V E I K Q E G D T F      Y I K T S T T V R T      T E I N F K V G E E      F E E Q T V D G R P            C K S L V K W E S E      N K M V C E Q K L L      K G E G P K T S W T      R E L T N D G E L I            L T M T A D D V V C      T R V Y V R E         </p>
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>CRABP2 (Cellular Retinoic Acid-Binding Protein 2) plays a pivotal role in cellular processes by facilitating the transportation of retinoic acid to the nucleus, where it regulates the access of retinoic acid to nuclear retinoic acid receptors. Through interactions with RXR (Retinoid X Receptor) and RARA (Retinoic Acid Receptor Alpha), CRABP2 contributes to the modulation of retinoic acid signaling pathways. Additionally, CRABP2 engages with importin alpha, indicating its involvement in the intricate mechanisms of nuclear transport, further highlighting its significance in mediating retinoic acid-related cellular responses.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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