RBP4 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P77171
Synonyms:	Retinol-Binding Protein 4; Plasma Retinol-Binding Protein; PRBP; RBP; RBP4
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5W172 (E19-L201)
Gene ID:	102136826
Molecular Weight:	Approximately 23 kDa

PROPERTIES

AA Sequence	E R D C R V S S F R V K E N F D K A R F S G T W Y A M A K K D P E G L F L Q D N I V A E F S V D E T G Q M S A T A K G R V R L L N N W D V C A D M V G T F T D T E D P A K F K M K Y W G V A S F L Q K G N D D H W I I D T D Y D T Y A V Q Y S C R L L N L D G T C A D S Y S F V F S R D P N G L P P E A Q R I V R Q R Q E E L C L A R Q Y R L I V H N G Y C D G R S E R N L L
Biological Activity	Measured by its ability to bind all-trans retinoic acid. The binding of retinoic acid results in the quenching of Trp fluorescence in RBP4. The 50% binding concentration (ED_{50}) is 0.795 μM, as measured under the described conditions.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	RBP4 Protein is a retinol-binding protein that plays a crucial role in transporting retinol in the blood plasma. It acts as a mediator, facilitating the transfer of retinol from the liver stores to peripheral tissues. Additionally, RBP4 interacts with TTR, further contributing to its function in retinol transport.

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