Full-Length

RBP1 (Human) Recombinant Protein

Catalog # P9165 Size 2 x 10 ug

Specification

Product Description	Human RBP1 full-length recombinant protein with His tag in N-terminus expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMDPPAGFVRAGNPAVAAPQSPLSPEGAHFRAAHHPRSTG SRCPGSLQPSRPLVANWLQSLPEMPVDFTGYWKMLVNENFEEYLRALDVNVALRKIANLLKPDK EIVQDGDHMIIRTLSTFRNYIMDFQVGKEFEEDLTGIDDRKCMTTVSWDGDKLQCVQKGEKEGRG WTQWIEGDELHLEMRVEGVVCKQVFKKVQ
Host	Escherichia coli
Theoretical MW (kDa)	24.7
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 90% as determined by SDS-PAGE.
Storage Buffer	Solution (0.5 mg/mL) containing 20 mM Tris-HCl, pH 8.0, 20% glycerol, 200mM NaCl, 2mM DTT.
Storage Instruction	Store at 4°C for 2-4 weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — RBP1

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Entrez GeneID	5947
Protein Accession#	P09455
Gene Name	RBP1
Gene Alias	CRABP-I, CRBP, CRBP1, CRBPI, RBPC
Gene Description	retinol binding protein 1, cellular
Omim ID	180260
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the carrier protein involved in the transport of retinol (vitamin A alcohol) from th e liver storage site to peripheral tissue. Vitamin A is a fat-soluble vitamin necessary for growth, re production, differentiation of epithelial tissues, and vision. Multiple transcript variants encoding diff erent isoforms have been found for this gene. [provided by RefSeq
Other Designations	retinol-binding protein 1, cellular

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Retinal Dystrophies
- Retinitis Pigmentosa

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