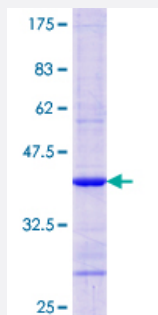


RBP4 (Human) Recombinant Protein (Q01)

Catalog # H00005950-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RBP4 partial ORF (NP_006735.2, 103 a.a. - 201 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KFKMKYWGVASFLQKGNDDHWMDTDYDTYAVQYSCRLNLDGTCADSYSFVFSRDPNGLPPEA QKIVRQRQEELCLARQYRLIVHNGYCDGRSERNLL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RBP4

Entrez GeneID [5950](#)

GeneBank Accession# [NM_006744](#)

Protein Accession# [NP_006735.2](#)

Gene Name RBP4

Gene Alias -

Gene Description retinol binding protein 4, plasma

Omim ID [180250](#)

Gene Ontology [Hyperlink](#)

Gene Summary This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein posttranslationally and results in defective delivery and supply to the epidermal cells. [provided by RefSeq]

Other Designations OTTHUMP00000020114|OTTHUMP00000020116|retinol-binding protein 4, interstitial|retinol-binding protein 4, plasma

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Prediabetic State](#)