Recombinant Rat Retinol-binding protein 4 (Rbp4)

Product Code	CSB-EP019483RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P04916
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	ER DCRVSSFRVK ENFDKARFSG LWYAIAKKDP EGLFLQDNII AEFSVDEKGH MSATAKGRVR LLSNWEVCAD MVGTFTDTED PAKFKMKYWG VASFLQRGND DHWIIDTDYD TFALQYSCRL QNLDGTCADS YSFVFSRDPN GLTPETRRLV RQRQEELCLE RQYRWIEHNG YCQSRPSRNS L
Source	E.coli
Target Names	Rbp4
Protein Names	Recommended name: Retinol-binding protein 4 Alternative name(s): Plasma retinol-binding protein Short name= PRBP Short name= RBP
Expression Region	19-201
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.