

RBP4, mouse recombinant protein
Retinol Binding Protein 4, Plasma retinol-binding protein, PRBP, RBP
Catalog # PBV11174r

Specification

RBP4, mouse recombinant protein - Product info

Primary Accession	Q00724
Calculated MW	~20.0 kDa (monomer). Mouse RBP4 (aa 19-201) is fused at the C-terminus to a His-Tag KDa

RBP4, mouse recombinant protein - Additional Info

Gene ID	19662
Gene Symbol	RBP4
Other Names	
Retinol Binding Protein 4, Plasma retinol-binding protein, PRBP, RBP	
Gene Source	Mouse
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Target/Specificity	
RBP4	

Format

Liquid

Storage

-20°C; 0.2 µm-filtered solution in 55 mM Tris-Cl, pH 8.2 containing 150 mM NaCl.

RBP4, mouse recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RBP4, mouse recombinant protein - Images

RBP4, mouse recombinant protein - Background

Retinol binding protein 4 (RBP4; RBP) is a 21 kDa secreted protein, a member of the lipocalin family and is known as the primary transporter of retinol (vitamin A) to tissues. A recent report revealed RBP4 as an adipokine linking glucose transporter 4 (GLUT4) suppression in adipose tissue to insulin. Elevated human and mouse serum RBP4 levels are associated with insulin resistance and its severity, obesity, and certain components of metabolic syndrome. Furthermore, human serum RBP4 levels are closely related to renal function.

RBP4, mouse recombinant protein - References

Jessen K.A.,et al.Arch. Biochem. Biophys. 357:126-130(1998).
Maekawa K.,et al.Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
Carninci P.,et al.Science 309:1559-1563(2005).
Dale B.,et al.J. Craniofac. Genet. Dev. Biol. 12:76-81(1992).