Recombinant Rat Retinol Binding Protein 4, Plasma, FLAG-tagged

Cat. No. Rbp4-2388R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RecombinantRat RBP4 (retinol binding protein 4) (aa 19-201) is fused at the N-terminus to a FLAG-tag. It is Expressed inHEK 293 cells.
Species	Rat
Source	HEK293
ProteinLength	19-201 a.a.
Description	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.
Purity	≥90% (SDS-PAGE).
Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Formulation	Liquid. 0.2μm-filtered solution in PBS, pH 7.2.
Storage	-20°C. Avoid freeze/thaw cycles. After opening, prepare aliquots and store at -20°C.

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GENE INFORMATION

Gene Name	Rbp4 retinol binding protein 4, plasma [Rattus norvegicus]
Synonyms	Rbp4; retinol binding protein 4, plasma; Rbp-4; retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein; retinol binding protein 4, cellular
Gene ID	25703
mRNA Refseq	NM_013162
Protein Refseq	NP_037294
UniProt ID	P04916
Chromosome Location	1q53
Function	protein binding; binding; retinol binding; retinol transporter activity; transporter activity

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