

Retinol-binding protein 4, 19-201aa, Mouse, His tag, Insect cell

Cat.NO.: TP03715

3th Edition

Synonyms:RBP4, RBP-4

Description:RBP4, also known as retinol-binding protein 4, is the specific carrier for retinol, and is responsible for the conversion of unstable and insoluble retinol in aqueous solution into stable and soluble complex in plasma through their tight interaction. This protein delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin and prevents its loss by filtration through the kidney glomeruli. Recombinant mouse RBP4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:22.4kDa (191aa), 18-28kDa (SDS-PAGE under reducing conditions.)

Sequences:

ERDCRVSSFRVKENFDKARFSGWLWYAIAKKDPEGLFLQDNIAEFSVDEKGHMSATAKGRVRLLSNWEVCADMVG
TFTDTEPAKFKMKYWGVASFLQRGNDHIIIDTDYDTFALQYSCRLQNLGDGTCADSYFVFSRDPNGLSPETRR
LVRQRQEELCLERQYRWIEHNGYCQSRPSRNSLLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.