Active Recombinant Mouse RBP4 protein(Met1-Leu201), His-tagged

Cat. No. RBP4-211M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse RBP4 (NP_035385.1) (Met 1-Leu 201) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Leu201
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind alltrans retinoic acid. The binding of retinoic acid results in the quenching of Trp fluorescence in RBP4. The 50% binding concentration (BC50) is >0.5 μM.
Molecular Mass	The secreted recombinant mouse RBP4 comprises 194 amino acids and has a predicted molecular mass of 22.8 kDa as estimated in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Rbp4 retinol binding protein 4, plasma [Mus musculus]
Official Symbol	RBP4
Synonyms	RBP4; retinol binding protein 4, plasma; retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein; retinol binding protein 4, cellular; Rbp-4;
Gene ID	19662
mRNA Refseq	NM_001159487
Protein Refseq	NP_001152959

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