

**Recombinant Human Retinol Binding Protein 4 (RBP4), Transfected HEK293 Cell Lysate****Source**

<b>Species</b>	Human
<b>Accession Number</b>	P02753
<b>Gene Symbol</b>	RBP4
<b>Expressed Region</b>	Glu19-Leu201
<b>Synonyms</b>	Retinol Binding Protein 4, Plasma Retinol-Binding Protein, PRBP, RBP4

**Preparation**

<b>Expression System</b>	Human embryonic kidney 293 (HEK293) cells
<b>Tag</b>	C-terminal his-tag
<b>Purity</b>	Unpurified cell lysate. HEK293 cells transfected with expression vectors harboring target gene were harvested and washed with PBS twice. The cell pastes were re-suspended with ice-cold PBS containing mammalian cell protease inhibitor cocktail and further lysed with freeze-thaw cycles. After clarifying with 20,000 g centrifugation at 4°C for 30 min, the lysate was aliquoted, lyophilized, and stored at -80°C immediately. Protein concentration was determined by BCA kit (Thermo Scientific, Inc.) using BSA as protein standard. The gene overexpression in lysate was confirmed by Western blotting using anti-His tag antibody and/or target-specific antibodies and the lysate derived from HEK293 cells transfected with the empty expression vector was used as a negative control.
<b>Molecular Weight</b>	Recombinant protein product has a calculated molecular mass of 20 kDa. Due to the potential post-translational modifications, it migrates as approximately 25 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions.

**Protein Specifications**

<b>Format</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 um filtered solution in PBS (pH 7.4) containing mammalian cell protease inhibitor cocktail
<b>Concentration</b>	Determined by BCA protein assay
<b>Reconstitution</b>	Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5 - 1 mg/mL with sterile deionized water.

**Shipping**

Ice packs. Including one vial of HEK293 cell lysate transfected with empty expression vector.

**Storage/Stability**

Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C. For long term storage, it is recommended to store desiccated below -20 °C in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20 °C. For long term storage, it is recommended to make appropriate aliquots and store at -80 °C. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.