

## Product datasheet for **TP724661**

### PAEP Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Biotinylated Recombinant Human Retinol-Binding Protein 4/RBP4 (C-His)  |
| Species:                              | Human  |
| Expression cDNA Clone or AA Sequence: | E19-L201   |
| Tag:                                  | C-8His   |
| Buffer:                               | Lyophilized from a 0.2 um filtered solution of PBS, pH7.2  |
| Note:                                 | Biotinylated Recombinant Human Retinol-Binding Protein 4 is produced by Human 293 Cells. The target gene encoding E19-L201 is expressed with a 8His tag at the C terminus.   |
| Stability:                            | 12 months from date of despatch  |
| Locus ID:                             | 280838   |
| UniProt ID:                           | <a href="#">P02754</a>   |
| Summary:                              | Retinol-binding protein 4 (RBP4) is a prototypic member of the lipocalin superfamily. RBP4 acts as a carrier for retinol (vitamin A), can stabilize the unstable and insoluble retinol in aqueous solution through their tight interaction. RBP4 is secreted from the liver, and in turn delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP4-retinol complex interacts with transthyretin (TTR), which is crucial for preventing RBP4 excretion through the kidney glomeruli. Recently studies found that RBP4 is expressed in adipose tissue and correlated with obesity, insulin resistance (IR) and type 2 diabetes (T2DM). |



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