

# Recombinant Human RBP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RBP1-830H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | RBP1 MS Standard C13 and N15-labeled recombinant protein (NP_002890) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene encodes the carrier protein involved in the transport of retinol (vitamin A alcohol) from the liver storage site to peripheral tissue. Vitamin A is a fat-soluble vitamin necessary for growth, reproduction, differentiation of epithelial tissues, and vision. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Molecular Mass</b>   | 15.7 kDa                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MPVDFTGYWKMLVNENFEEYLRALDVNVALRKIANLLKPDKEIVQDGDHMIIRTLSTF<br>RNYIMDFQVGKEFEEDLTGIDDRKCMTTVSWDGDQLQCVQKGEKEGRGWTQWIEG<br>DELHLEMRVEGVVCKQVFKKVQTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                     |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                         |

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| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                        |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                      |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                    |
| <b>Gene Name</b>        | RBP1 retinol binding protein 1 [ Homo sapiens (human) ]                                                                                                                                            |
| <b>Official Symbol</b>  | RBP1                                                                                                                                                                                               |
| <b>Synonyms</b>         | RBP1; retinol binding protein 1, cellular; retinol-binding protein 1; CRABP I; CRBP; CRBP1; CRBPI; RBPC; CRBP-I; cellular retinol-binding protein I; retinol-binding protein 1, cellular; CRABP-I; |
| <b>Gene ID</b>          | 5947                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_002899                                                                                                                                                                                          |
| <b>Protein Refseq</b>   | NP_002890                                                                                                                                                                                          |
| <b>MIM</b>              | 180260                                                                                                                                                                                             |
| <b>UniProt ID</b>       | P09455                                                                                                                                                                                             |



SDS-PAGE



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