# Recombiant Human SDR16C5 Protein, DYKDDDDK-tagged

**Cat. No.** SDR16C5-01H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant protein from the full-length sequence of Homo sapiens short chain dehydrogenase/reductase family 16C member 5 (SDR16C5), transcript variant 2 (NM_138969), with a DYKDDDDK tag was expressed in human cells. |
| **Species** | Human |
| **Source** | Human Cells |
| **Description** | This gene encodes a member of the short-chain alcohol dehydrogenase/reductase superfamily of proteins and is involved in the oxidation of retinol to retinaldehyde. The encoded protein is associated with the endoplasmic reticulum and is predicted to contain three transmembrane helices, suggesting that it is an integral membrane protein. It recognizes all-trans-retinol and all-trans-retinaldehyde as substrates and exhibits a strong preference for NAD(+)/NADH as cofactors. Alternative splicing results in multiple transcript variants. |
| **Molecular Mass** | 33.9 kDa |
| **Endotoxin** | < 0.1 ng/μg of protein (<1 EU/μg) |
| **Purity** | > 90% by SDS-PAGE gel and Coomassie Blue staining |
| **Applications** | Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only! |

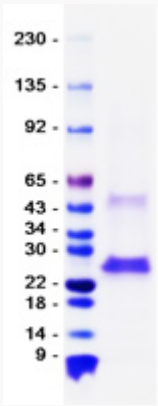
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| **Storage Buffer** | Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives |

## GENE INFORMATION

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| **Gene Name** | SDR16C5 short chain dehydrogenase/reductase family 16C member 5 [ Homo sapiens (human) ] |
| **Official Symbol** | SDR16C5 |
| **Synonyms** | SDR16C5; short chain dehydrogenase/reductase family 16C member 5; RDH#2; RDHE2; EPHD-2; RDH-E2; retSDR2; epidermal retinol dehydrogenase 2; epidermal retinal dehydrogenase 2; retinal short chain dehydrogenase reductase; retinal short-chain dehydrogenase reductase 2; EC 1.1.1.105 |
| **Gene ID** | 195814 |
| **mRNA Refseq** | NM_138969 |
| **Protein Refseq** | NP_620419 |
| **MIM** | 608989 |
| **UniProt ID** | Q8N3Y7 |

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| **SDS-PAGE** |  |



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