

Recombinant Human SDR16C5 Protein, DYKDDDDK-tagged

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

SPECIFICATION

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
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

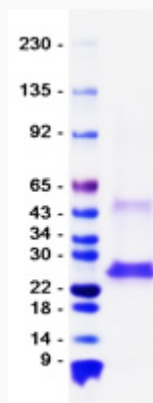
UniProt ID

Q8N3Y7

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SDS-PAGE

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