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# SDR16C5 Human

*Short Chain Dehydrogenase/Reductase Family 16C, Member 5 Human Recombinant RCP2014*

## Product Overview

| | |
|---|---|
| Name | SDR16C5 Human |

**Description**

Short Chain Dehydrogenase/Reductase Family 16C, Member 5 Human Recombinant

| | |
|---|---|
| Accession (Primary) | Q8N3Y7 |

**Synonyms**

RDH#2, RDH-E2, RDHE2, Epidermal retinol dehydrogenase 2, EPHD-2, Retinal short-chain dehydrogenase reductase 2, retSDR2, Short-chain dehydrogenase/reductase family 16C member 5, SDR16C5.

**Introduction**

Short chain dehydrogenase/reductase family 16C, member5 (SDR16C5) is active in the oxidative direction as well as in the reductive one. SDR16C5 oxidizes all-trans-retinol in all-trans-retinaldehyde. No activity was detected with 11-cis-retinol or 11-cis-retinaldehyde as substrates with either NAD+/NADH or NADP+/NADPH.

**Source**

E.coli.

**Physical Appearance**

Sterile Filtered colorless solution.

**Formulation**

SDR16C5 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Purity**

Greater than 90% as determined by SDS-PAGE.

**Amino acid sequence**

MGSSHHHHHH SSGLVPRGSH MGS PKPRKNV AGEIVLITGA GSGLGRLLAL QFARLGSVLV LWDINKEGNE ETCKMAREAG ATRVHAYTCD CSQKEGVYRV ADQVKKEVGD VSILINNAGI VTGKKFLDCP DELMEKSFDV NFKAHLWTYK AFLPAMIAND HGHLVCISSS AGLSGVNGLA DYCASKFAAF GFAESVFVET FVQKQKGIKT TIVCPFFIKT GMFEGCTTGC PSLLPILEPK YAVEKIVEAI LQEKMYLYMP K.

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**Precautions**

SDR16C5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q8N3Y7 )