

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

<b>Item Number</b>	rAP-3913
<b>Synonyms</b>	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.
<b>Description</b>	SDR16C5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 261 amino acids (32-269 a.a.) and having a molecular mass of 28.3kDa. SDR16C5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	Q8N3Y7
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MGSPKPRKNV AGEIVLITGA GSGLGRLLAL QFARLGSVLV LWDINKEGNE ETCKMAREAG ATRVHAYTCD CSQKEGVYRV ADQVKKEVDG VSILINNAGI VTGKKFLDCP DELMEKSFDV NFKAHLWTYK AFLPAMIAND HGHLVCISSS AGLSGVNGLA DYCASKFAAF GFAESVVFET FVQKQKGIKT TIVCPFFIKT GMFEGCTTGC PSLLPILPK YAVEKIVEAI LQEKMYLYMP K.
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. 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.
<b>Formulation and Purity</b>	SDR16C5 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**