

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

Item Number	rAP-3913
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.
Description	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.
Uniprot Accesion Number	Q8N3Y7
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSPKPRKNV AGEIVLITGA GSGLGRLLAL QFARLGSVLV LWDINKEGNE ETCKMAREAG ATRVHAYTCD CSQKEGVYRV ADQVKKEVGD VSILINNAGI VTGKKFLDCP DELMEKSFDV NFKAHLWTYK AFLPAMIAND HGHLCVCISSS AGLSGVNGLA DYCASKFAAF GFAESVFVET FVQKQKGKIKT TIVCPFFIKT GMFEGCTTGC PSLLPILEPK YAVEKIVEAI LQEKMYLYMP K.
Source	E.coli.
Physical Appearance and Stability	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.
Formulation and Purity	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.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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 end users! This product is sold for **Research Use Only**