

32-4789: Recombinant Human Short Chain Dehydrogenase/Reductase Family 16C, Member 5

Alternative Name 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

Source : E.coli. 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. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	SDR16C5 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSPKPRKNV AGEIVLITGA GSGLGRLLAL QFARLGSVLV LWDINKEGNE ETCKMAREAG ATRVHAYTCD CSQKEGVYRV ADQVKKEVGD VSILINNAGI VTGKKFLDCP DELMEKSFV NFKAHLWYK AFLPAMIAND HGHLVCISSS AGLSGVNGLA DYCASKFAAF GFAESVFVET FVQKQKGIKT TIVCPFFIKT GMFEGCTTGC PSLPILEPK YAVEKIVEAI LQEKMYLYMP K.