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SDR16C5, 32-269aa, Human, His tag, E.coli

产品货号: TP03875

第三版

别名: Short chain dehydrogenase/reductase family 16C, member5, RDH#2, RDH-E2, RDHE2

描述: Short chain dehydrogenase/reductase family 16C, member5, also known as SDR16C5, is active in both the oxidative and reductive directions. This protein 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. Recombinant human SDR16C5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量: 28.3 kDa (261aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSPKPRKNVAGEIVLITGAGSGLGRLLALQFARLGSVLVLWDINKEGNEETCKMAREA
GATRVHAYTCDCSQKEGVYRVADQVKKEVGDVSIINAGIVTGKKFLDCPDELMEKSFVDVNFKAHLWYKAFPLPAMI
ANDHGHLCVCISSSAGLSGVNGLADYCAKFAAFGFAESVFVETVQKQKGIKTTIVCPFFIKTGMFEGCTTGCPSSLPILEPK
YAVEKIVEAILQEKMVLYMPK

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.