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32-2271: DHRS4 Recombinant Protein

Alternative Name :	Dehydrogenase/reductase SDR family member 4,NADPH-dependent carbonyl reductase/NADP-retinol dehydrogenase,CR,PHCR,NADPH-dependent retinol dehydrogenase/reductase,NRDR,humNRDR,Peroxisomal short-chain alcohol dehydrogenase,PSCD,SCAD-SRL,Short

Description

Source : Escherichia Coli. DHRS4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 302 amino acids (1-278) and having a molecular mass of 32.1kDa.DHRS4 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Dehydrogenase/reductase SDR family member 4 (DHRS4) is a member of the short-chain dehydrogenases/reductases (SDR) family. DHRS4 reduces all trans retinal and 9-cis retinal. In addition, the DHRS4 protein can catalyze the oxidation of all trans retinol with NADP as cofactor, but with a much lower efficiency. Furthermore, DHRS4 reduces alkyl phenyl ketones and alpha dicarbonyl compounds with aromatic rings, such as pyrimidine 4 aldehyde, 3 benzoylpyridine, 4 benzoylpyridine, menadione and 4 hexanoylpyridine.

Product Info

Amount :	5 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The DHRS4 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH7.5), 20% 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 MGSHMHKAGL LGLCARAWNS VRMASSGMTR RDPLANKVAL VTASTDGIGF AIARRLAQDG AHVVVSSRKQ QNVDQAVATL QGEGLSVTGT VCHVGKAEDR ERLVATAVKL HGGIDILVSN AAVNPFFGSI MDVTEEVWDK TLDINVKAPA LMTKAVVPEM EKRGGGSVVI VSSIAAFSPS PGFSPYNVSK TALLGLTKTL AIELAPRNIR VNCLAPGLIK TSFSRMLWMD KEKEESMKET LRIRRLGEPE DCAGIVSFLC SEDASYITGE TVVVGGGTPS RL.