

DHRS4, 1-278aa, Human, His tag, E.coli

Cat.NO.: TP01876

3th Edition

Synonyms:Dehydrogenase/reductase SDR family member 4, CR, NRDR, PHCR, PSCD, SCAD-SRL, SDR-SRL, SDR25C1, SDR25C2.

Description:DHRS4, also known as dehydrogenase/reductase SDR family member 4, belongs to the short-chain dehydrogenases/reductases (SDR) family. DHRS4 reduces all trans retinal and 9 cis retinal. This protein can also catalyze the oxidation of all trans retinol with NADP as cofactor, but with much lower efficiency.

Form:Liquid. 20mM Tris-HCl buffer (pH7.5) containing 20% glycerol, 1mM DTT

Molecular Weight:32.1 kDa (302aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMHKAGLLGLCARAWNSVRMASSGMTRRDPLANKVALVTASTDGIGFAIAR
RLAQDGAHVVSRRKQQNVDAQAVATLQGEGLSVTGTVCHVGKAEDRERLVATAVKLHGGIDILVSNAAVNPFFGSI
MDVTEEVWDKTL DINVKAPALMTKAVVPEMEKRGGSVVIVSSIAAFSPSPGFSPYNVSKTALLGLTKTLAIELAPRN
IRVNCLAPGLIKTSFSRMLWMDKEKEESMKETLRIRRLGEPEDCAGIVSFLCSEDASYITGETVVVGGGTPSRL

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.