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Product datasheet for AR50151PU-N

DHRS4 (1-278, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	DHRS4 (1-278, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	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
Tag:	His-tag
Predicted MW:	32.1 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DHRS4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001269916
Locus ID:	10901
UniProt ID:	Q9BTZ2
Cytogenetics:	14q11.2
Synonyms:	CR; NRDR; PHCR; PSCD; SCAD-SRL; SDR-SRL; SDR25C1; SDR25C2

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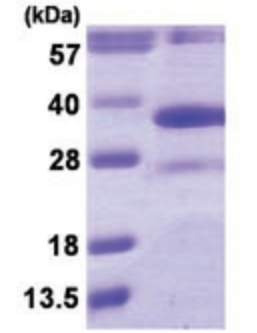
Summary: Reduces all-trans-retinal and 9-cis retinal. Can also catalyze the oxidation of all-trans-retinol with NADP as co-factor, but with much lower efficiency. Reduces alkyl phenyl ketones and alpha-dicarbonyl compounds with aromatic rings, such as pyrimidine-4-aldehyde, 3-benzoylpyridine, 4-benzoylpyridine, menadione and 4-hexanoylpyridine. Has no activity towards aliphatic aldehydes and ketones (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Retinol metabolism

Product images:



15% SDS-PAGE (3ug)