

1 Image

Product name	Recombinant Human DHRS4 protein
Purity	> 85 % SDS-PAGE. ab116155 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q9BTZ2</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMHKAGLLGLCARA WNSVRMASSGMTR RDPLANKVALVTASTDGIGFAIARRLAQDGAHVVVSSRKQ QNVDQAVATL QGEGLSVTGTVCHVGKAEDRERLVATAVKLHGGIDILVSN AAVNPFFGSI MDVTEEVWDKTL DINVKAPALMTKAVVPEMMHKAGLLGL CARAWNSVRMA SSGMTRRDPLANKVALVTASTDGIGFAIARRLAQDGAHV VSSRKQEKRG GGSVVIVSSIAAFSPSPGFSPYNVSKTALLGLTKTLAIELAP RNIRVNCL APGLIKTSFSRMLWMDKEKEESMKETLRIRRLGEPEDCA GVSFLCSEDA SYTGETVVVGGGTPSRL
Predicted molecular weight	32 kDa including tags
Amino acids	1 to 278
Tags	His tag N-Terminus

Our **Abpromise guarantee** covers the use of **ab116155** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Mass Spectrometry

	SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

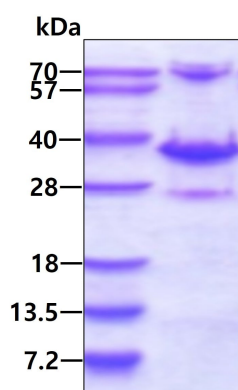
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.50 Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine)
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General Info

Function	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.
Tissue specificity	Isoform 1 is predominantly expressed in normal cervix (at protein level). Isoform 4 is expressed in some neoplastic cervical tissues, but not in normal cervix (at protein level). Isoform 5 and isoform 6 are expressed in a few neoplastic cervical tissues.
Sequence similarities	Belongs to the short-chain dehydrogenases/reductases (SDR) family.
Cellular localization	Peroxisome. Isoform 1 is peroxisomal, while isoform 4 is not.

Images



15% SDS-PAGE showing ab116155 at approximately 32.1kDa (3µg).

SDS-PAGE - Recombinant Human DHRS4 protein
(ab116155)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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