abcam

Product datasheet

Recombinant Human Quinone oxidoreductase protein (BSA and azide free) ab180303

1 Image

Description

Product name	Recombinant Human Quinone oxidoreductase protein (BSA and azide free)
Purity	> 95 % SDS-PAGE. ab180303 was purified by using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	Q08257
Protein length	Full length protein
Animal free	No
Carrier free	Yes
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMATGQKLMRAVRVFE FGGPEVLKLRSD IAVPIPKDHQVLIKVHACGVNPVETYIRSGTYSRKPLLPYTP GSDVAGVI EAVGDNASAFKKGDRVFTSSTISGGYAEYALAADHTVYKL PEKLDFKQGA AIGIPYFTAYRALIHSACVKAGESVLVHGSGGVGLAACQIA RAYGLKILG TAGTEEGQKIVLQNGAHEVFNHREVNYIDKIKKYVGEKGIDII IEMLANV NLSKDLSLLSHGGRVIVVGSRGTIEINPRDTMAKESSIIGVT LFSSTKEE FQQYAAALQAGMEIGWLKPVIGSQYPLEKVAEAHENIIHGS GATGKMILL L
Predicted molecular weight	38 kDa including tags
Amino acids	1 to 329
Tags	His tag N-Terminus
Additional sequence information	NP_001123514.

Specifications

Our Abpromise guarantee covers the use of **ab180303** 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
Additional notes	This product was previously labelled as CRYZ

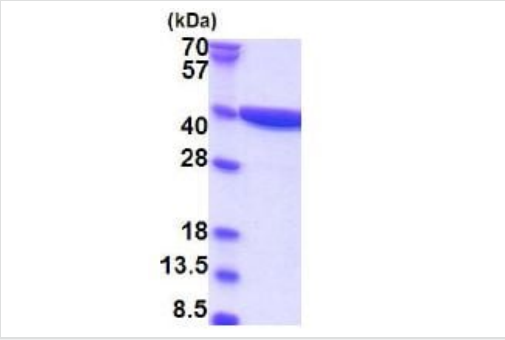
Preparation and Storage

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: 8.00 Constituents: 0.32% Tris HCl, 0.88% Sodium chloride, 20% Glycerol (glycerin, glycerine), 0.02% DTT

General Info

Function	Does not have alcohol dehydrogenase activity. Binds NADP and acts through a one-electron transfer process. Orthoquinones, such as 1,2-naphthoquinone or 9,10-phenanthrenequinone, are the best substrates (in vitro). May act in the detoxification of xenobiotics. Interacts with (AU)-rich elements (ARE) in the 3'-UTR of target mRNA species. Enhances the stability of mRNA coding for BCL2. NADPH binding interferes with mRNA binding.
Tissue specificity	Only very low amounts in the lens.
Sequence similarities	Belongs to the zinc-containing alcohol dehydrogenase family. Quinone oxidoreductase subfamily.
Cellular localization	Cytoplasm.

Images



SDS-PAGE - Recombinant Human Quinone oxidoreductase protein (BSA and azide free) (ab180303)

15% SDS-PAGE analysis of ab180303 (3 µg).

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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