

NQO1 recombinant protein

CatalogNo: YD3134

Key Features

Reactivity

- Human

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

Recommended Dilution Ratios

Basic Information

Source Mammalian cells

Purification Mammalian cells

Purity >90% as determined by SDS-PAGE

Immunogen Information

Sequence Amino acid:1-274,with rabbit FC tag.

Target Information

Gene name NQO1

Protein Name NAD(P)H dehydrogenase [quinone] 1

Organism	Gene ID	UniProt ID
Human	1728 ;	P15559 ;

Cellular Localization Cytoplasm, cytosol .

Tissue specificity Colon,Liver,Pooled,

Function Catalytic activity:NAD(P)H + a quinone = NAD(P)(+) + a hydroquinone.,cofactor:FAD.,enzyme regulation:Inhibited by dicoumarol.,Function:The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinones involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis.,induction:By dioxin.,mass spectrometry: PubMed:11735396,miscellaneous:Quinone reductase accepts electrons from both NADH and NADPH with equal efficiency.,polymorphism:The Ser-187 polymorphism may be linked to susceptibility to forms of cancers.,similarity:Belongs to the NAD(P)H dehydrogenase (quinone) family.,subunit:Homodimer.,

| Validation Data

| Contact information

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NQO1 recombinant protein

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