
Recombinant human NQO1 protein, His

Catalog Number: bs-46541P

Concentration: >0.5 mg/ml

AA Seq: 1-274/274

Predicted MW: 33.18

Detected MW: 34 kDa

Tags: His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: Supplied as solution form in PBS (pH7.5) or lyophilized from PBS (pH7.5).

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimer's disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq].