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Product datasheet for PH302889

NQO2 (NM_000904) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NQO2 MS Standard C13 and N15-labeled recombinant protein (NP_000895)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202889
Predicted MW:	26 kDa
Protein Sequence:	>RC202889 protein sequence Red=Cloning site Green=Tags(s) MAGKKVLIVYAHQEPKSFNGSLKNVAVDELSRQGCTVTVSDLYAMNFEPRATDKDITGTLSNPEVFNYGV ETHEAYKQRSLASDITDEQKKVREADLVIFQFPLYWFSVPAILKGWMDRVLCQGFAFDIPGFYDSGLLQG KLALLSVTTGGTAEMYTKTGVNGDSRYFLWPLQHGTLHFCGFKVLAPQISFAPEIASEEERKGMVAAWSQ RLQTIWKEEPIPCTAHWHFGQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000895
RefSeq Size:	1272
RefSeq ORF:	693
Synonyms:	DHQV; DIA6; NMOR2; QR2
Locus ID:	4835
UniProt ID:	P16083, B3KPX6

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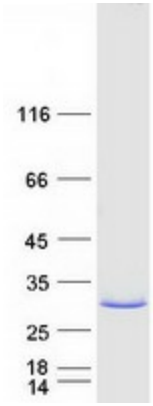
Cytogenetics: 6p25.2

Summary: This gene encodes a member of the thioredoxin family of enzymes. It is a cytosolic and ubiquitously expressed flavoprotein that catalyzes the two-electron reduction of quinone substrates and uses dihydronicotinamide riboside as a reducing coenzyme. Mutations in this gene have been associated with neurodegenerative diseases and several cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]

Product images:



Coomassie blue staining of purified NQO2 protein (Cat# [TP302889]). The protein was produced from HEK293T cells transfected with NQO2 cDNA clone (Cat# [RC202889]) using MegaTran 2.0 (Cat# [TT210002]).