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Product datasheet for PH301647

Adrenodoxin (FDX1) (NM_004109) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FDX1 MS Standard C13 and N15-labeled recombinant protein (NP_004100)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201647
Predicted MW:	19.4 kDa
Protein Sequence:	>RC201647 protein sequence Red=Cloning site Green=Tags(s) MAAAGGARLLRAASAVLGGPAGRWLHHAGSRAGSSGLLRNRGPGGSAEASRSLSVSARARSSSEDKITVH FINRDGETLTTKGKVGDSLLDVVVENNLDIDGFGACEGTLACSTCHLIFEDHIYEKLDAITDEENDMLDL AYGLTDRSRLGCQICLTKSMDNMTVRVPETVADARQSIDVGKTS 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_004100
RefSeq Size:	3155
RefSeq ORF:	552
Synonyms:	ADX; FDX; LOH11CR1D
Locus ID:	2230
UniProt ID:	P10109

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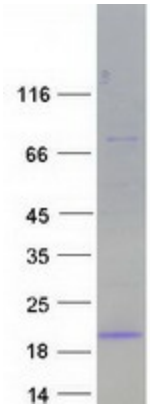
Cytogenetics: 11q22.3

Summary: This gene encodes a small iron-sulfur protein that transfers electrons from NADPH through ferredoxin reductase to mitochondrial cytochrome P450, involved in steroid, vitamin D, and bile acid metabolism. Pseudogenes of this functional gene are found on chromosomes 20 and 21. [provided by RefSeq, Aug 2011]

Product images:



Coomassie blue staining of purified FDX1 protein (Cat# [TP301647]). The protein was produced from HEK293T cells transfected with FDX1 cDNA clone (Cat# [RC201647]) using MegaTran 2.0 (Cat# [TT210002]).