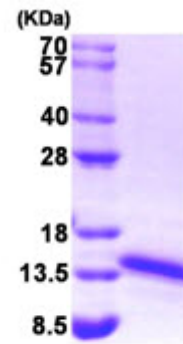


AR09240PU-N**Human Ferredoxin-1 (FDX1) (61-184, T7-tag) - Purified**

Alternate names:	ADX, Adrenal ferredoxin, Adrenodoxin mitochondrial, Hepatoredoxin
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	Ferredoxin1 is a small iron-sulfur protein that transfers electrons from NADPH through ferredoxin reductase to a terminal cytochrome P450. This particular oxidation/reduction system is found in steroidogenic tissues, and is involved with the synthesis of bile acid and vitamin D. It participates in the synthesis of thyroid hormones and transfers electrons from adrenodoxin reductase to the cholesterol side chain cleavage cytochrome P450.
Uniprot ID:	P10109
NCBI:	NP_004100
GeneID:	2230
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% Glycerol Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)
Description:	Recombinant human Ferredoxin 1 protein, fused to T7-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: <u>MASMTGGQOM</u> GRGSMSSSED KITVHFINRD GETLTTKGKV GDSLLDVVVE NNLDIDGFGA CEGTLACSTC HLIFEDHIYE KLDAITDEEN DMLDLAYGLT DRSRLGCQIC LTKSMDNMTV RVPETVADAR QSIDVGKTS Molecular weight: kDa (139 aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Mandai T., et al. (2009). FEBS J. 276(8):2416-29. Pichiorri F., et al. (2009). J Biol Chem. 284(2):1040-9.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human Ferredoxin 1, 61-184 aa, T7-tagged: 15% SDS-PAGE (3 µg)

