

Product datasheet for **AR09240PU-N**

Ferredoxin-1 (FDX1) (61-184, T7-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Ferredoxin-1 (FDX1) (61-184, T7-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MASMTGGQOM</u> <u>GRGSMSSSED</u> KITVHFINRD GETLTTKGKV GDSLLDVWE NNLDIDGFGA CEGTLACSTC HLIFEDHIYE KLDAITDEEN DMLDLAYGLT DRSRLGCQC LTKSMDNMTV RVPETVADAR QSIDVGKTS
Tag:	T7-tag
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% Glycerol
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human Ferredoxin 1 protein, fused to T7-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_004100</u>
Locus ID:	2230
UniProt ID:	<u>P10109</u>
Cytogenetics:	11q22.3
Synonyms:	ADX; FDX; LOH11CR1D



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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: