

Ferredoxin 1, 61-184 aa, Human, T7-tagged, Recombinant, E.coli

Cat.NO.: TP02111

3th Edition

Synonyms:Adrenodoxin, Adrenal ferredoxin, Hepatoredoxin, ADX, FDX, LOH11CR1D.

Description: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.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% Glycerol

Molecular Weight:15.0 kDa (139aa)

Sequences:

MASMTGGGQMGRGSMSSSEDKITVHFINRDGETLTTKGKVGDSLLDVVVENNLDIDGFGACEGTLACSTCHLIFED
HIYEKLDAITDEENDMLDLAYGLTDRSRLGCQICLTKSMDNMTVRVPETVADARQSIDVGKTS

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.