

FDX1 rabbit-FC recombinant protein

Catalog No :	YD3116
Reactivity :	Human;
Purity :	>90% as determined by SDS-PAGE
Gene Name :	FDX1
Protein Name :	Adrenodoxin, mitochondrial (Adrenal ferredoxin) (Ferredoxin-1) (Hepatoredoxin)
Sequence :	Amino acid:61-184,with rabbit FC tag.
Human Gene Id :	2230
Human Swiss Prot No :	P10109
Formulation :	Phosphate-buffered solution
Source :	Mammalian cells
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Function :	Essential for the synthesis of various steroid hormones . Participates in the reduction of mitochondrial cytochrome P450 for steroidogenesis . Transfers electrons from adrenodoxin reductase to CYP11A1 , a cytochrome P450 that catalyzes cholesterol side-chain cleavage . Does not form a ternary complex with adrenodoxin reductase and CYP11A1 but shuttles between the two enzymes to transfer electrons (By similarity).
Subcellular Location :	Mitochondrion matrix .
Expression :	Highest levels in the adrenal gland (at protein level). Also detected in kidney and testis (at protein level).

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