



# Recombinant Human Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial (ETFDH)

<b>Product Code</b>	CSB-EP619056HU-B
<b>Abbreviation</b>	ETFDH
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q16134
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SSTSTVP RITTHYTIYP RDKDKRWEGV NMERFAEEAD VVIVGAGPAG LSAAVRLKQL AVAHEKDIRV CLVEKAAQIG AHTLSGACLD PGAFKELFPD WKEKGAPLNT PVTEDRFIL TEKYRIPVPI LPGLPMNNHG NYIVRLGHLV SWMGEQAEAL GVEVYPGYAA AEVLFHDDGS VKGIATNDVG IQKDGAPKAT FERGLELHAK VTIFAEGCHG HLAQLYKKF DLRANCEPQT YGIGLKELWV IDEKNWKPGR VDHTVGWPLD RHTYGGSFY HLNEGEPLVA LGLVVGLDYQ NPYLSPFREF QRWKHPSIR PTLEGGKRIA YGARALNEGG FQSIPKLTFP GGLLIGCSPG FMNVPKIKGT HTAMKSGILA AESIFNQLTS ENLQSKTIGL HVTEYEDNLK NSWVWKELYS VRNIRPSCHG VLGVIYGGMIY TGIFYWILRG MEPWTLKHKG SDFERLKPAK DCTPIEYPKP DGQISFDLLS SVALSGTNHE HDQPAHLTLR DDSIPVNRNL SIYDGPEQRF CPAGVYEFVP VEQGDGFRLQ INAQNCVHCK TCDIKDPSQN INWVVEGGG GPAYNGM
<b>Source</b>	E.coli
<b>Target Names</b>	ETFDH
<b>Protein Names</b>	Recommended name: Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial Short name= ETF-QO Short name= ETF-ubiquinone oxidoreductase EC= 1.5.5.1 Alternative name(s): Electron-transferring-flavoprotein dehydro
<b>Expression Region</b>	34-617
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	Electron-transferring-flavoprotein dehydrogenase in the inner mitochondrial membrane accepts electrons from electron-transfer flavoprotein which is located



in the mitochondrial matrix and reduces ubiquinone in the mitochondrial membrane. The protein is synthesized as a 67-kDa precursor which is targeted to mitochondria and processed in a single step to a 64-kDa mature form located in the mitochondrial membrane. Deficiency in electron-transferring-flavoprotein dehydrogenase have been demonstrated in some patients with type II glutaricacidemia.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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