

ETFA Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20630c**Specification**

ETFA Blocking Peptide (Center) - Product Information

Primary Accession [P13804](#)
Other Accession [Q8HXY0](#)

ETFA Blocking Peptide (Center) - Additional Information

Gene ID 2108

Other Names

Electron transfer flavoprotein subunit alpha, mitochondrial, Alpha-ETF, ETFA

Target/Specificity

The synthetic peptide sequence is selected from aa 192-206 of HUMAN ETFA

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ETFA Blocking Peptide (Center) - Protein Information

Name ETFA

Function

Heterodimeric electron transfer flavoprotein that accepts electrons from several mitochondrial dehydrogenases, including acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase (PubMed: [27499296](http://www.uniprot.org/citations/27499296)), PubMed: [15159392](http://www.uniprot.org/citations/15159392)), PubMed: [15975918](http://www.uniprot.org/citations/15975918)), PubMed: [9334218](http://www.uniprot.org/citations/9334218)), PubMed: [10356313](http://www.uniprot.org/citations/10356313)). It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase) (PubMed: [9334218](http://www.uniprot.org/citations/9334218)). Required for normal mitochondrial fatty acid oxidation and normal amino acid metabolism (PubMed: [12815589](http://www.uniprot.org/citations/12815589)), PubMed: [1882842](http://www.uniprot.org/citations/1882842)), PubMed: [1430199](http://www.uniprot.org/citations/1430199)).

Cellular Location

Mitochondrion matrix.

ETFA Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ETFA Blocking Peptide (Center) - Images**ETFA Blocking Peptide (Center) - Background**

The electron transfer flavoprotein serves as a specific electron acceptor for several dehydrogenases, including five acyl- CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase. It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase).

ETFA Blocking Peptide (Center) - References

Finocchiaro G.,et al.J. Biol. Chem. 263:15773-15780(1988).
Olsen R.K.J.,et al.Hum. Mutat. 22:12-23(2003).
Kalnina N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:671-675(2006).