Recombinant Human Electron transfer flavoprotein subunit alpha, mitochondrial(ETFA)

Catalog No: #AP77000

Package Size: #AP77000-1 20ug #AP77000-2 100ug #AP77000-3 1mg

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Description

Product Name	Recombinant Human Electron transfer flavoprotein subunit alpha, mitochondrial(ETFA)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-333aaSequence Info:Full Length
Accession No.	P13804
Uniprot	P13804
GeneID	2108;
Calculated MW	62.1 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MFRAAAPGQLRRAASLLRFQSTLVIAEHANDSLAPITLNTITAATRLGGEVSCLVAGTKCDKVAQDLCKVAGIAK VLVAQHDVYKGLLPEELTPLILATQKQFNYTHICAGASAFGKNLLPRVAAKLEVAPISDIIAIKSPDTFVRTIYAGN ALCTVKCDEKVKVFSVRGTSFDAAATSGGSASSEKASSTSPVEISEWLDQKLTKSDRPELTGAKVVVSGGRG LKSGENFKLLYDLADQLHAAVGASRAAVDAGFVPNDMQVGQTGKIVAPELYIAVGISGAIQHLAGMKDSKTIVA INKDPEAPIFQVADYGIVADLFKVVPEMTEILKKK
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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).

References

"Clear relationship between ETF,ETFDH genotype and phenotype in patients with multiple acyl-CoA dehydrogenation deficiency."
Olsen R.K.J., Andresen B.S., Christensen E., Bross P., Skovby F., Gregersen N.
Hum. Mutat. 22:12-23(2003)Research Topic:Others

Note: This product is for in vitro research use only