

Recombinant human Cytochrome b-c1 complex subunit Rieske, mitochondrial protein

Catalog No: #AP71857

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Package Size: #AP71857-1 20ug #AP71857-2 100ug #AP71857-3 1mg

Description

Product Name	Recombinant human Cytochrome b-c1 complex subunit Rieske, mitochondrial protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:79-274aaSequence Info:Full Length
Other Names	Complex III subunit 5Cytochrome b-c1 complex subunit 5Rieske iron-sulfur protein ;RISPUbiquinol-cytochrome c reductase iron-sulfur subunit
Accession No.	P47985
Uniprot	P47985
GeneID	7386;
Calculated MW	48.6 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	SHTDIKVPDFSEYRRLEVLVDSTKSSRESSEARKGFSYLVTGVTTVGVAYAAKNAVTQFVSSMSASADVLALAKI EIKLSDIPEGKNMAFKWRGKPLFVRHRTQKEIEQEAAVELSQLRDPQHDLDRVKKPEWWILIGVCTHLGCVPIA NAGDFGGYYCPCHGSHYDASGRIRLGPAPLNLEVPTYEFTSDDMVIVG
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

Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis.The transit peptide of the Rieske protein ses to form part of the bc1 complex and is considered to be the subunit 11,IX of that complex.

References

The primary structure of human Rieske iron-sulfur protein of mitochondrial cytochrome bc1 complex deduced from cDNA analysis.Nishikimi M., Hosokawa Y., Toda H., Suzuki H., Ozawa T.Biochem. Int. 20:155-160(1990)Research Topic:Transport

Note: This product is for in vitro research use only