

Product datasheet for TP302685

UQCRB (NM_006294) Human Recombinant Protein

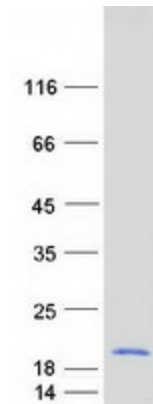
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquinol-cytochrome c reductase binding protein (UQCRB), nuclear gene encoding mitochondrial protein, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202685 protein sequence Red =Cloning site Green =Tags(s)
	 MAGKQAVSASGKWLGDGIRKWWYNAAGFNKLGMLMRDDTIYEDEDVKEAIRRLPENLYNDRMFRIKRALDLN LKHQILPKEQWTKYEEENFYLEPYLKEVIRERKEREEWAKK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	13.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_006285
Locus ID:	7381
UniProt ID:	P14927
RefSeq Size:	4839



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Cytogenetics:	8q22.1
RefSeq ORF:	333
Synonyms:	MC3DN3; QCR7; QP-C; QPC; UQBC; UQBP; UQCR6; UQPC
Summary:	This gene encodes a subunit of the ubiquinol-cytochrome c oxidoreductase complex, which consists of one mitochondrial-encoded and 10 nuclear-encoded subunits. The protein encoded by this gene binds ubiquinone and participates in the transfer of electrons when ubiquinone is bound. This protein plays an important role in hypoxia-induced angiogenesis through mitochondrial reactive oxygen species-mediated signaling. Mutations in this gene are associated with mitochondrial complex III deficiency. Alternatively spliced transcript variants have been found for this gene. Related pseudogenes have been identified on chromosomes 1, 5 and X. [provided by RefSeq, Dec 2011]
Protein Pathways:	Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Product images:

Coomassie blue staining of purified UQCRB protein (Cat# TP302685). The protein was produced from HEK293T cells transfected with UQCRB cDNA clone (Cat# [RC202685]) using MegaTran 2.0 (Cat# [TT210002]).