

Product datasheet for TP311310

VAR2 (NM_020442) Human Recombinant Protein

Product data:

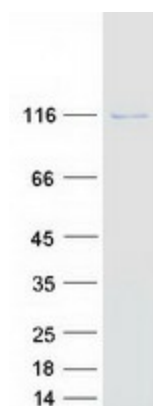
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human valyl-tRNA synthetase 2, mitochondrial (putative) (VAR2), nuclear gene encoding mitochondrial protein, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211310 protein sequence Red =Cloning site Green =Tags(s)
	<p>MPHLPLASFRPPFWGLRHSRGLPRFHSVSTQSEPHGSPISRRNREAKQKRLREKQATLEAEIAGESKSPA ESIKAWRPKELVLYEIPTKPGEKKDVSGPLPPAYSPRYVEAAWYPWWWREGFFKPEYQARLPQATGETFS MCIPPPNVTGSLHIGHALTVAIQDALVRWHRMRGDQVLWVPGSDHAGIATQAVVEKQLWKERGVRRELS REAFLREVWQWKEAKGGEICEQLRALGASLDWDRECFTMDVGVSSVAVTEAFVRLYKAGLLYRNHQLVNWS CALRSAISDIEVENRPLPGHTQLRLPGCPTPVSFGLLSVAFPVDGEPDAEVVGTTRPETLPGDVAVAV HPDDSRYTHLHGRQLRHPLMGQPLPLITDYAVQPHVGTGAVKVTPAHSPADAEMGARHGLSPLNVIAEDG TMTSLCGDWLQGLHRFVAREKIMSVLSERGLFRGLQNHMVLPICSRSGDVIEYLLKNQWFVRCQEMGAR AAKAVESGALELSPSFHQKNWQHWFHSHIGDWCVSRQLWWGHQIPAYLVVEDHAQGEEDCWVGRSEAEAR EVAAELTGRPGAELTLERDPDVLDTWFSSALFPFALGWPQETPDLARFYPLSLLLETGSDLLLFWVGRMV MLGTQLTGQLPFSKVLHHPMVRDRQGRKMSKSLGNVLDPRDIISGVEMQVLQEKLRSGNLDPAELAVAA AQKKDFPHGIPECGTDALRFTLCSHGVSQAGDLHLSVSEVQSCRHFCNKIWNALRFILNALGEKFPQPAAE ELSPSSPMDAWILSRALAAQECERGFRTRELSLVTHALHFWLHNLCDVYLEAVKPVLWHSRPLGPPQ VLFSCADLGLRLLAPLMPFLAEELWQRLPPRPGCPPAPSISVAPYPSACSLEHWRQPELERRFSRVQEVV QVLRALQATYQLTKARPRVLLQSSEPGDQGLFEAFLEPLGTLGYCGAVGLLPPGAAAPSGWAQAPLSDTA QVYMELQGLVDPQIQLPLLAARRYKLQKQLDSLARTPSEGEAGTQRQKQLSSLQLELSKLDKAASHLRQ LMDEPPAPGSPEL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	118.3 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



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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_065175
Locus ID:	57176
UniProt ID:	Q5ST30
RefSeq Size:	3622
Cytogenetics:	6p21.33
RefSeq ORF:	3189
Synonyms:	COXPD20; VALRS; VAR2L; VARSL
Summary:	This gene encodes a mitochondrial aminoacyl-tRNA synthetase, which catalyzes the attachment of valine to tRNA(Val) for mitochondrial translation. Mutations in this gene cause combined oxidative phosphorylation deficiency-20, and are also associated with early-onset mitochondrial encephalopathies. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2014]
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Aminoacyl-tRNA biosynthesis, Valine, leucine and isoleucine biosynthesis

Product images:



Coomassie blue staining of purified VAR2 protein (Cat# TP311310). The protein was produced from HEK293T cells transfected with VAR2 cDNA clone (Cat# [RC211310]) using MegaTran 2.0 (Cat# [TT210002]).