

Recombinant Human VARS2 Protein, MYC/DDK-tagged

Cat. No. VARS2-25H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human valyl-tRNA synthetase 2, mitochondrial (putative) (VARS2), nuclear gene encoding mitochondrial protein with C-MYC/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	118.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at –80 centigrade. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	VAR2
Official Symbol	VAR2 valyl-tRNA synthetase 2, mitochondrial [Homo sapiens (human)]
Synonyms	VAR2; valyl-tRNA synthetase 2, mitochondrial; VALRS; VARSL; VAR2L; COXPD20; valine--tRNA ligase, mitochondrial; valine tRNA ligase 2, mitochondrial (putative); valyl-tRNA synthetase like; EC 6.1.1.9
Gene ID	57176
mRNA Refseq	NM_020442
Protein Refseq	NP_065175
MIM	612802
UniProt ID	Q5ST30

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