

## Recombinant Human VARS2 protein, His-tagged

Cat. No. VARS2-6843H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human VARS2 protein(168-516 aa), fused with N-terminal His tag, was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** 168-516 aa

**Form** The purified protein was Lyophilized from sterile PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.

**Storage** Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

**AA Sequence**

```

TDALRFTLCSHGVQAGDLHLSVSEVQSCRHFCNKIWNALRFILNALGEKFVPQPAEE
LSPSSPMDAWILSRALALAAQECERGFLTRELSLVTHALHHFWLHNLCDVYLEAVKPV
LWHSRPLGPPQVLFSCADLGLRLLAPLMPFLAEELWQRLPPRPGCPPAPSISVAPY
PSACSLHWRQPELERRFSRVQEVVQVLRALRATYQLTKARPRVLLQSSEPGDQG
LFEAFLEPLGLTGYCGAVGLLPPGAAAPSGWAQAPLSDTAQVYMELQGLVDPQIQL
PLLAARRYKLQKQLDSLARTPSEGEAGTQRQQKLSSLQLELSKLDKAASHLQQML
DEPPAPGSPEL
    
```

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**Purity** 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

## GENE INFORMATION

**Official Symbol** [VAR2](#)

**Synonyms**

VAR2; valyl-tRNA synthetase 2, mitochondrial; G7a; VARSL; VAR2L; valine--tRNA ligase, mitochondrial; valRS; valyl-tRNA synthetase like; valyl-tRNA synthetase, mitochondrial; valine tRNA ligase 2, mitochondrial (putative); valyl-tRNA synthetase 2, mitochondrial (putative); DKFZP434L1435; KIAA1885; valine tRNA ligase 2, mitochondrial; EC 6.1.1.9; EC 6.1.1

**Gene ID** [57176](#)

**mRNA Refseq** [NM\\_001167733](#)

**Protein Refseq** [NP\\_001161205](#)

**MIM** [612802](#)

**UniProt ID** [Q5ST30](#)

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