

## Recombinant Human VARS, His-tagged

Cat. No. VARS-3647H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human VARS protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	916-1264aa
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

### GENE INFORMATION

<b>Gene Name</b>	VARS valyl-tRNA synthetase [ Homo sapiens ]
<b>Official Symbol</b>	VARS
<b>Synonyms</b>	VARS; valyl-tRNA synthetase; valyl tRNA synthetase 2 , VARS2; valine--tRNA ligase; valine tRNA ligase 1; cytoplasmic; valRS; protein G7a; valyl-tRNA synthetase 2; valine tRNA ligase 1, cytoplasmic; G7A; VARS1; VARS2;

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<b>Gene ID</b>	7407
<b>mRNA Refseq</b>	NM_006295
<b>Protein Refseq</b>	NP_006286
<b>MIM</b>	192150
<b>UniProt ID</b>	P26640
<b>Chromosome Location</b>	6p21.3
<b>Pathway</b>	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, conserved biosystem; Cytosolic tRNA
<b>Function</b>	ATP binding; ligase activity; nucleotide binding; valine-tRNA ligase activity; valine-tRNA ligase activity;

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