

## Recombinant Human RARS cell lysate

**Cat. No.** RARS-1472HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Arginyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	RARS arginyl-tRNA synthetase [ Homo sapiens ]
<b>Official Symbol</b>	RARS
<b>Synonyms</b>	RARS; arginyl-tRNA synthetase; arginine--tRNA ligase, cytoplasmic; arginine tRNA ligase 1; cytoplasmic; DALRD1; arginine tRNA ligase 1, cytoplasmic; arginyl-tRNA synthetase, cytoplasmic; ArgRS; MGC8641;

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<b>Gene ID</b>	5917
<b>mRNA Refseq</b>	NM_002887
<b>Protein Refseq</b>	NP_002878
<b>MIM</b>	107820
<b>UniProt ID</b>	P54136
<b>Chromosome Location</b>	5q35.1
<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 aminoacylation, organism-specific biosystem; Gene Expression, organism-specific biosystem; tRNA Aminoacylation, organism-specific biosystem;
<b>Function</b>	ATP binding; arginine binding; arginine-tRNA ligase activity; ligase activity; nucleotide binding; protein binding; tRNA binding;

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