

QARS1 抗原（重组蛋白）

中文名称：QARS1 抗原（重组蛋白）

英文名称： QARS1 Antigen (Recombinant Protein)

别名： glutaminyl-tRNA synthetase 1; QARS; GLNRS; MSCCA; PRO2195

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 576-775 amino acids of human QARS1

技术规格

Full name:	glutaminyl-tRNA synthetase 1
Synonyms:	QARS; GLNRS; MSCCA; PRO2195
Swissprot:	P47897
Gene Accession:	BC016634
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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. In metazoans, 9 aminoacyl-tRNA synthetases specific for glutamine (gln), glutamic acid (glu), and 7 other amino acids are associated within a multienzyme complex. Altho

ugh present in eukaryotes, glutaminyl-tRNA synthetase (QARS) is absent from many prokaryotes, mitochondria, and chloroplasts, in which Gln-tRNA(Gln) is formed by transamidation of the misacylated Glu-tRNA(Gln). Glutaminyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]