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YARS Protein (Myc-DYKDDDDK Tag)



Image



Overview

Overview	
Quantity:	20 μg
Target:	YARS (Yars)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This YARS protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human YARS protein expressed in HEK293 cells. Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	YARS (Yars)
Alternative Name:	Yars (Yars Products)
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. Tyrosyl-tRNA synthetase belongs to the class I tRNA synthetase family. Cytokine
	activities have also been observed for the human tyrosyl-tRNA synthetase, after it is split into

Target Details

	two parts, an N-terminal fragment that harbors the catalytic site and a C-terminal fragment
	found only in the mammalian enzyme. The N-terminal fragment is an interleukin-8-like cytokine,
	whereas the released C-terminal fragment is an EMAP II-like cytokine.
Molecular Weight:	59 kDa

Application Details

NCBI Accession:

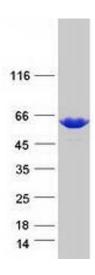
NP_003671

Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Images



Western Blotting

Image 1. Validation with Western Blot