Recombinant Human YARS1 Protein (Gly2-Ser528), N-His tagged

Cat. No. YARS1-5498H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human YARS1 (Gly2-Ser528) fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly2-Ser528
Description	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 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.
Form	Lyophilized powder/frozen liquid
Molecular Mass	61.32 kDa
Purity	> 90 % as determined by SDS-PAGE

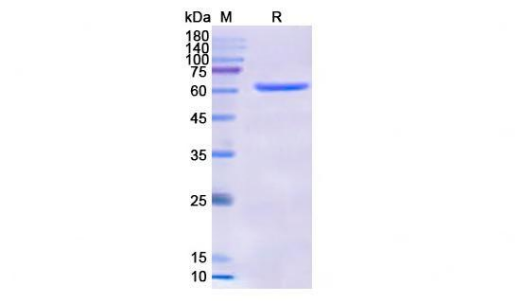
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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02 % NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	YARS1 tyrosyl-tRNA synthetase 1 [Homo sapiens (human)]
Official Symbol	YARS1
Synonyms	YARS1; tyrosyl-tRNA synthetase 1; YRS; YTS; YARS; TYRRS; CMTDIC; IMNEPD2;
Gene ID	8565
mRNA Refseq	NM_003680
Protein Refseq	NP_003671
MIM	603623
UniProt ID	P54577

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SDS-PAGE	

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