

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

YARS, 1-528aa, Human, His tag, E.coli

产品货号: TP04517

第三版

别名: Tyrosyl-tRNA synthetase, CMTDIC, TYRRS, YRS, YTS

描述: Tyrosyl-tRNA synthetase, also known as YARS, belongs to the class I tRNA synthetase family. YARS is essential enzyme that catalyze the aminoacylation of tRNA^{Trp} with tryptophan, an essential function of the cell's protein synthesis machinery. Expression of YARS is highly stimulated in human cells by the addition of IFN-gamma. Recombinant human YARS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

分子量: 61.3 kDa (548aa)

序列:

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MGSSHHHHHHSSGLVPRGSHMGDAPSPPEEKHLHLITRNLQEVLGEEKLKEILKERELKIYWGTATTGKPHVAYFVPMASKIA
DFLKAGCEVTILFADLHAYLDNMKAPWELLELRVSYENVIKAMLESIGVPLEKLFKIKGTDYQLSKEYTLDVYRLSSVVTQ
HDSKKAGAEVVKQVEHPLLSGLLYPGLQALDEEYLKVDQAQFGGIDQRKIFTFAEKYLPALGYSKRVHLMNPMVPGLTGSK
MSSSEEEKIDLLDRKEDVKKKLLKAFCEPGNVENNGVLSFIKHVLFPLKSEFVILRDEKWGGNKTYTAYVDLEKDFAAEV
VHPGDLKNSVEVALNKLLDPIREKFNTPALKKLASAAYPDPSKQKPMAGPAKNSEPEEVIPSRLDIRVGKIITVEKHPDAD
SLYVEKIDVGEAEPRTVVSGLVQFVPKEELQDRLVVVLCNLKPQKMRGVESQGMLLCASIEGINRQVEPLDPPAGSAPGE
HVFVKGYEKGQPDEELKPKKKVFEKLQADFKISEECIAQWKQTNFMTKLSISCKSLKGGNIS
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纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.