

RPPB2421

Product Information Protein Information

Product SKU:

RPPB2421

Accession:

P54577

Host:

Escherichia Coli.

Protein description:

YARS produced in E.Coli is a single, non-glycosylated polypeptide chain containing 548 amino acids (1-528 a.a.) and having a molecular mass of 61.3kDa. YARS is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Tyrosyl-tRNA synthetase cytoplasmic, Tyrosyl--tRNA ligase, TyrRS, YARS, YRS, YTS, CMTDIC.

Formulation:

YARS protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SSSLVPRGSH MGDAPSPEEK LHLITRNLQE VLGEEKLKEI LKERELKIYW GTATTGKPHV
AYFVPMASKIA DFLKAGCEVT ILFADLHAYL DNMKAPWELL ELRVSYENV IKAMLESIGV PLEKLKFIKG
TDYQLSKEYT LDVYRLSSVV TQHDSKAGA EVVKQVEHPL LSGLLYPGLQ ALDEEYLKVD AQFGGIDQRK
IFTFAEKYLP ALGYSKRVHL MNPMVPLTG SKMSSSEES KIDLLDRKED VKKKLKAFC EPGNVENNGV
LSFIKHVLFV LKSEFVILRD EKWGGNKTYT AYVDLEKDFE AEVVHPGDLK NSVEVALNKL LDPIREKFNT
PALKKLASAA YPDPSKQKPM AKGPAKNSP EEVIPSRLDI RVGKIITVEK HPDADSLYVE KIDVGEAEPR
TVVSGLVQFV PKEELQDRLV VVLCNLKPKQ MRGVESQGML LCASIEGINR QVEPLDPPAG SAPGEHVFK
GYEKGQDDEE LKPKKKVFEK LQADFKISEE CIAQWKQTNF MTKLGSISCK SLKGGNIS.