

Recombinant human Tyrosyl-tRNA synthetase, cytoplasmic

Catalog No: #AP71665

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Package Size: #AP71665-1 20ug #AP71665-2 100ug #AP71665-3 1mg

Description

Product Name	Recombinant human Tyrosyl-tRNA synthetase, cytoplasmic
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-528aaSequence Info:Full Length
Other Names	Tyrosyl-tRNA synthetase ;TyrRS
Accession No.	P54577
Uniprot	P54577
GeneID	8565;
Calculated MW	86 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	GDAPSPEEKLHLITRNLQEVLGEEKLKEILKERELKIYWGTTATTGKPHVAYFVPMSKIADFLKAGCEVTILFADLH AYLDNMKAPWELLELRVSYYENVIKAMLESIGVPLEKLFKIGKTDYQLSKEYTLDVYRLSSVVTQHDSKKAGAE VVKQVEHPLL SGLLYPGLQALDEEYLKVDAQFGGIDQRKIFTFAEKYLPALGYSKRVHLMNPMVPGLTGSKMS SSEESKIDLLDRKEDVKKLKKAFCEPGNVENNGVLSFIKHVLFPLKSEFVILRDEKWGGNKTYTAYVDLEKD FAAEVVHPGDLKNSVEVALNKLLDPIREKFNTPALKKLASAAYPDPSKQKPKMAKPAKNSPEEVIPSRDIRV GKIITVEKHPDADSLYVEKIDVGAEPRTVVSGLVQFVFPKEELQDRLVVVLCNLKPQKMRGVESQGMLLCASIE GINRQVEPLDPPAGSAPGEHVFKGYEKQGPDEELPKKKVFEKLQADFKISEECIAQWKQTNFMTKLGISIC KSLKGGNIS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the attachment of tyrosine to tRNA(Tyr) in a two-step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr).

References

Evidence that two present-day components needed for the genetic code appeared after nucleated cells separated from eubacteria.Ribas de Pouplana L., Frugier M., Quinn C.L., Schimmel P.Proc. Natl. Acad. Sci. U.S.A. 93:166-170(1996)Research Topic:Metabolism

Note: This product is for in vitro research use only