

Recombinant human Seryl-tRNA synthetase, cytoplasmic

Catalog No: #AP71845

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Package Size: #AP71845-1 20ug #AP71845-2 100ug

Description

Product Name	Recombinant human Seryl-tRNA synthetase, cytoplasmic
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-233aaSequence Info:Partial
Other Names	Seryl-tRNA synthetase ;SerRSSeryl-tRNA(Ser,Sec) synthetase
Accession No.	P49591
Uniprot	P49591
GeneID	6301;
Calculated MW	53.4 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	VLDLDFRVDKGGDPALIRETQEKRFKDPGLVDQLVKADSEWRRRCFRADNLNKLKNLCSKTIGEKMKKKEPV GDDESVPENVLSFDDLTADALANLKVSIKKVRLIDEAILKCKDAERIKLEAERFENLREIGNLLHPSVPISNDED VDNKVERIWGDCTVRKKYSHVDLVVMVDGFEGEKGAUVAGSRGYFLKGVLVFLEQALIQYALRTLGSRGYIPI YTPFFMRKEV
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 serine to tRNA(Ser). Is also probably able to aminoacylate tRNA(Sec) with serine, to form the misacylated tRNA L-seryl-tRNA(Sec), which will be further converted into selenocysteiny-tRNA(Sec).

References

Genomic organization, cDNA sequence, bacterial expression, and purification of human seryl-tRNA synthase.Vincent C., Tarbouriech N., Haertlein M.Eur. J. Biochem. 250:77-84(1997)Research Topic:Metabolism

Note: This product is for in vitro research use only