

Recombinant Escherichia coli Peptidyl-tRNA
hydrolase(pth)



Catalog No: #AP73757

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Package Size: #AP73757-1 10ug #AP73757-2 50ug #AP73757-3 100ug #AP73757-4 200ug #AP73757-5 500ug #AP73757-6 1mg

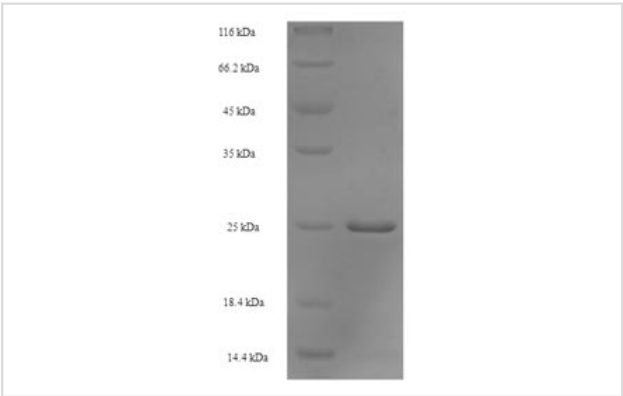
Description

Product Name	Recombinant Escherichia coli Peptidyl-tRNA hydrolase(pth)
Brief Description	Recombinant Protein
Host Species	E.coli
Target Name	pth
Other Names	PTH
Accession No.	Uniprot ID: P0A7D1
Target Species	Escherichia coli (strain K12)
SDS-PAGE MW	25.14kDa
Target Length	Full Length, 1-194aa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MTIKLIVGLANPGAIEYAATRHNAGAWFVDLLAERLRAPLREEAKFFGYTSRVTLGGEDVRLLVPTTFMNLSGK AVAAMASFFRINPDEILVAHDELDLPPGVAKFKLGGGHGGHNGLKDIISKLGNNPNFHLRLRIGIGHPGDKNKVV GFVLGKPPVSEQKLIDEAIDEAARCTEMWFTDGLTKATNRLHAFKAQ
Formulation	Tris-based buffer,50% 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.

Application Details

Greater than 90% as determined by SDS-PAGE.

Images



Background

The natural substrate for this enzyme may be peptidyl-tRNAs which drop off the ribosome during protein synthesis. Involved in lambda inhibition of host protein synthesis. PTH activity may, directly or indirectly, be the target for lambda bar RNA leading to rap cell death.

References

"Peptidyl-tRNA hydrolase is involved in lambda inhibition of host protein synthesis."Garcia-Villegas M.R., de la Vega F.M., Galindo J.M., Segura M., Buckingham R.H., Guarneros G.EMBO J. 10:3549-3555(1991)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.