

Recombinant Helicobacter pylori Glutamate--tRNA ligase 1

Catalog No: #AP72868

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Package Size: #AP72868-1 20ug #AP72868-2 100ug #AP72868-3 1mg

Description

| | |
|-----------------------|---|
| Product Name | Recombinant Helicobacter pylori Glutamate--tRNA ligase 1 |
| Brief Description | Recombinant Protein |
| Host Species | Yeast |
| Purification | Greater than 90% as determined by SDS-PAGE. |
| Immunogen Description | Expression Region:1-463aaSequence Info:Full Length |
| Other Names | Glutamyl-tRNA synthetase 1 |
| Accession No. | P96551 |
| Uniprot | P96551 |
| GeneID | 898901; |
| Calculated MW | 55.4 kDa |
| Tag Info | N-terminal 6xHis-tagged |
| Target Sequence | MSLIVTRFAPSPTGYLHIGGLRTAIFNYLFARANQGKFFLRIEDTDLSRNSIEAANAIIIEAFKWVVGLEYDGEILYQS KRFEIYKEYIQKLLDDEKAYCYMSKEELDALREEQKARKETPRYDNRYRDFKGTTPPKGIEPVVRIKVPQNEVI GFNDGVKGEVKVNTNELDDFIIARSDGTPTYNFVVTIDDALMGITDVIRGDDHLSNTPKQIVLYKALNFKIPNFFH VPMILNEEGQKLSKRHGATNVMDYQEMGYLKEALVNFLARLGWSYQDKEVFSMQELLEFPKDLNSSPSCF SWHKLNLNAHYLKNQSVQELLKLLKPFSDLSHLNPTQLDRLLDALKERSQTLKELALKIDEVLIAPVEYEEK VFKKLNQALVMPLEKFKLELNKANFNDESALENAMRQIIIEEKIKAGSFMQPLRLALLGKGGGIGLKEALFILG KTESVKRIEDFLKN |
| 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 glutamate to tRNA(Glu) in a two-step reaction: glutamate is first activated by ATP to form Glu-AMP and then transferred to the acceptor end of tRNA(Glu).

References

The complete genome sequence of the gastric pathogen Helicobacter pylori.Tomb J.-F., White O., Kerlavage A.R., Clayton R.A., Sutton G.G., Fleischmann R.D., Ketchum K.A., Klenk H.-P., Gill S.R., Dougherty B.A., Nelson K.E., Quackenbush J., Zhou L., Kirkness E.F., Peterson S.N., Loftus B.J., Richardson D.L., Dodson R.J. , Khalak H.G., Glodek A., McKenney K., FitzGerald L.M., Lee N., Adams M.D., Hickey E.K., Berg D.E., Gocayne J.D., Utterback T.R., Peterson J.D., Kelley J.M., Cotton M.D., Weidman J.F., Fujii C., Bowman C., Watthey L., Wallin E., Hayes W.S., Borodovsky M., Karp P.D., Smith H.O., Fraser C.M., Venter J.C.Nature 388:539-547(1997)Research Topic:Others

Note: This product is for in vitro research use only