

Recombinant Helicobacter pylori Glutamate--tRNA ligase 1(gltX1)

Catalog No: #AP70962

Package Size: #AP70962-1 20ug #AP70962-2 100ug #AP70962-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Helicobacter pylori Glutamate--tRNA ligase 1(gltX1)
Host Species	E.coli
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
Calculated MW	69.4 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MSLIVTRFAPSPTGYLHIGGLRTAIFNYLFARANQGKFFLRIEDTDLRSNSIEAANAIIIEAFKWVGLEYDGEILYQS KRFEIYKEYIQKLLDEDKAYCYMSKEELDALREEQKARKETPRYDNRYRDFKGTTPKGIIEPVVRIKVPQNEVI GFNDGVKGEVKVNTNELDDFIARS DGTPTYNFVVTIDDALMGITDVIRGDDHLSNTPKQIVLYKALNFKIPNFFH VPMILNEEGQKLSKRHGATNVMDYQEMGYLKEALVNFLARLGWSYQDKEVFSMQELLELPKDLNSSPSCF SWHKLNLWLNAYHLKNQSVQELLKLLKPFSDLSHLNPTQLDRLLDALKERSQTLKELALKIDEVLIAPVEYEEK VFKKLNQALVMPLEKFKLELNKANFNDESALENAMRQIIIEEEKIKAGSFMQPLRLALLGKGGGIGLKEALFILG 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 and is not intended for use in humans or animals.