

Recombinant Human 5-formyltetrahydrofolate cyclo-ligase(MTHFS)

Catalog No: #AP70568

Package Size: #AP70568-1 20ug #AP70568-2 100ug #AP70568-3 1mg

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

Description

Product Name	Recombinant Human 5-formyltetrahydrofolate cyclo-ligase(MTHFS)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-203aaSequence Info:Full Length
Other Names	5,10-methenyl-tetrahydrofolate synthetase ;MTHFS ;Methenyl-THF synthetase
Accession No.	P49914
Calculated MW	39.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	AAAVSSAKRSLRGELKQRLRAMSAEERLRQSRVLSQKVIAHSEYQKSKRISIFLSMQDEIETEEIIKDIFQRGKI CFIPRYRFQSNHMDMVRIESPEEISLLPKTSWNIPQPGEGDVREEALSTGGDLIFMPGLGFDKHGNRLGRGK GYDAYLKRCLQHGEVKPYTLALAFKEQICLQVPVNENDMKVDEVLYEDSSTA
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

Contributes to tetrahydrofolate metabolism. Helps regulate carbon flow through the folate-dependent one-carbon metabolic network that supplies carbon for the biosynthesis of purines, thymidine and amino acids. Catalyzes the irreversible conversion of 5-formyltetrahydrofolate (5-FTHF) to yield 5,10-methenyltetrahydrofolate.

References

An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014)Research Topic:Metabolism

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