Recombinant human Methionine synthase

Catalog No: #AP71506

Package Size: #AP71506-1 20ug #AP71506-2 100ug #AP71506-3 1mg

Orders: order@signalwayantibody.com
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Description

Product Name	Recombinant human Methionine synthase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:923-1265aaSequence Info:Partial
Other Names	5-methyltetrahydrofolate--homocysteine methyltransferase Vitamin-B12 dependent methionine synthase Short name: MS
Accession No.	Q99707
Uniprot	Q99707
GeneID	4548;
Calculated MW	55 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SLKERRYLPLSQARKSGFQMDWLSEPHPVKPTFIGTQVFEDYDLQKLVDYIDWKPFFDVWQLRGKYPNRGFP KIFNDKTVGGEARKVYDDAHNMLNTLISQKKLRARGVVGFWPAQSIQDDIHLYAEAAVPQAAEPIATFYGLRQ QAEKDSASTEPYYCLSDFIAPLHSGIRDYLGLFAVACFGVEELSKAYEDDGDDYSSIMVKALGDRLAEAFAEEL HERVRRELWAYCGSEQLDVADLRRLRYKGIRPAPGYPSQPDHTEKLTMWRLADIEQSTGIRLTESLAMAPAS AVSGLYFSNLKSKYFAVGKISKDQVEDYALRKNISVAEVEKWLGPILGYDTD
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 transfer of a methyl group from methyl-cobalamin to homocysteine, yielding enzyme-bound cob(I)alamin and methionine. Subsequently, remethylates the cofactor using methyltetrahydrofolate (By similarity).

References

"The DNA sequence and biological annotation of human chromosome 1."Gregory S.G., Barlow K.F., McLay K.E., Kaul R., Swarbreck D., Dunham A., Scott C.E., Howe K.L., Woodfine K., Spencer C.C.A., Jones M.C., Gillson C., Searle S., Zhou Y., Kokocinski F., McDonald L., Evans R., Phillips K. Bentley D.R.Nature 441:315-321(2006)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only