

Probable5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase MetE (methionine synthase, vitamin-B12 independent isozyme) , metE (Rv1133c)

Product Details

Size 50ug

Species *Mycobacterium tuberculosis*

Published Species *Mycobacterium tuberculosis*

Expression System *Pichia pastoris*

Amino acid sequence

VTQPVRRQPFTATITGSPRIGPRRELKRATEGYWAGRTSRSELEAVAATLRR
DTWSALAAAGLDSVPVNTFSYYDQMLDTAVLLGALPPRVSPVSDGLDRYF
AAARGTDQIAPLEMTKWFDNTNYHYLVPEIGPSTTFTLHPGKVLAEELKEAL
GQGIPARPVIIGPITFLLLSKAVDGAGAPIERLEELVPVYSELLSLLADGGAQ
WVQFDEPALVTDLSPDAPALAEAVYTALCSVSNRPAIYVATYFGDPGAALP
ALARTPVEAIGVDLVAGADTSVAGVPELAGKTLVAGVVDGRNVWRDLEA
ALGTLATLLGSAATVAVSTSCSTLHVPYSLEPETDLDDALRSWLAFGAEKV
REVVVLARALRDGHDVADEIASSRAAIASRKRDPRLHNGQIRARIEAIVAS
GAHRGNAAQRRASQDARLHLPPLPTTTIGSYPQTSAIRVARAALRAGEIDE
AEYVRRMRQEITEVIALQERLGLDVLVHGEPERNMVDVQYFAEQLAGFFAT
QNGWVQSYGSRVPPILYGDVSRPRAMTVEWITYAQLSLTDKPKVKGMLTG
PVTILAWSFVRDDQPLADTANQVALAIRDETVDLQSAGIAVIQVDEPALREL
LPLRRADQAEYLRWAVGAFRLATSGVSDATQIHTHLCYSEFGEVIGAIADL
DADVTSIEAARSHMEVLDDLNAIGFANGVGPVYDIHSPRVPSAEEMADS
LRAALRAVPAERLWVNPDCGLKTRNVDEVTASLHNMVAAAREVRAG

Molecular weight 81549.5 Da

Class Recombinant

Type Protein

Purity 98% by SDS-PAGE gel and HPLC analyses.

Endotoxin concentration <1 EU/μg

Activity

Conjugate Unconjugated

Form Lyophilized

Purification HPLC, SDS-PAGE

Contains no preservative

Storage conditions -20°C

Product Specific Information

metE (Rv1133c) is a 81549.5 Da globular protein consisting of 759 amino acid residues.

1046 References

Proteomics (2)

(J Proteomics. 2011 Dec 21;75(2):502-10. doi: 10.1016/j.jprot.2011.08.016. Epub 2011 Sep 5.)

Year
2011

Bacterial proteins with cleaved or uncleaved signal peptides of the general secretory pathway

Species

H37Rv

Authors:Gustavo A de Souza 1, Nils A Leversen, Hiwa Målen, Harald G Wiker

BMC Microbiol. (2010 Apr 29;10:132. doi: 10.1186/1471-2180-10-132.)

Year
2010

Definition of novel cell envelope associated proteins in Triton X-114 extracts of Mycobacterium tuberculosis H37Rv

Species

H37Rv

Authors:Hiwa Målen 1, Sharad Pathak, Tina Søfteland, Gustavo A de Souza, Harald G Wiker

Mutant(1)

mSystems. (2019 Jun 25;4(4):e00070-19. doi: 10.1128/mSystems.00070-19.)

Year
2019

Genomewide Assessment of Mycobacterium tuberculosis Conditionally Essential Metabolic Pathways

Species

H37Rv

Authors:Yusuke Minato 1, Daryl M Gohl 2, Joshua M Thiede 3, Jeremy M Chacón 4, William R Harcombe 4, Fumito Maruyama 5 6 7, Anthony D Baughn 1

More applications with references on <https://mycobrowser.epfl.ch/genes/>

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