

Recombinant Mycobacterium Tuberculosis MTR Protein (1-459 aa), His-SUMO-Myc-tagged

Cat. No. MTR-2288M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mycobacterium Tuberculosis (strain CDC 1551/Oshkosh) MTR Protein (1-459 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length.
Species	Mycobacterium Tuberculosis
Source	E.coli
ProteinLength	1-459 aa
Description	Catalyzes the NAD(P)H-dependent reduction of mycothione (the oxidized disulfide form of mycothiol) to mycothiol.
Form	Tris-based buffer,50% glycerol
Molecular Mass	69.9 kDa
AA Sequence	METYDIAIIGTGSGNSILDERYASKRAAICEQGTFGGTCLNVGCIPTKMFVYAAEVAK TIRGASRYGIDAHIDRVRWDDVVS RVFGRIDPIALSGEDYRRCAPNIDVYRTHTRFGP VQADGRYLLRTDAGEEFTAQV VVIAAGSRPVIPPAILASGV DYHTSDTVMRIAELPEH IVVGS GFIAAEFAHVFSALGVRVTLVIRGSCLLRH CDDTICERFTRIASTKWELRTHR NVVDGQQR GSGVALRLDDGCTINADLLL VATGRVSNADLLD AEQAGVDVEDGRVIV DEYQRTSARGVFALGDVSSPYLLKHVANHEARVVQH NLLCDWEDTQSMIVTDHRY

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VPAAVFTDPQIAAVGLTENQAVAKGLDISVKIQDYGDVAYGWAMEDTSGIVKLITERG
SGRLLGAHIMGYQASSLIQPLIQAMSFGLTAAEMARGQYWIHPALPEVVENALLGLR

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name *mtr mycothione reductase [Mycobacterium tuberculosis H37Rv]*

Official Symbol *MTR*

Synonyms *mtr; gorA;*

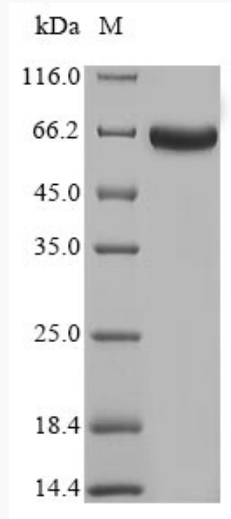
Gene ID *887773*

UniProt ID *P9WHH2*

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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