

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 VQADGRYLLRTDAGEEFTAEQVVIAAGSRPVIPPAILASGV DYHTSDTVMRIAELPEH IVVGSGFIAAEFAHVFSALGV RVTLVIRGSCLLRHCDTICERFTRIASTKWELRTHR NVVDGQQRGSGVALRLDDGCTINADLLL VATGRVSNADLLDAEQAGVDVEDGRVIV DEYQRTSARGVFALGDVSSPYLLKHVANHEARVVQHNL LCDWEDTQSMIVTDHRY

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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.

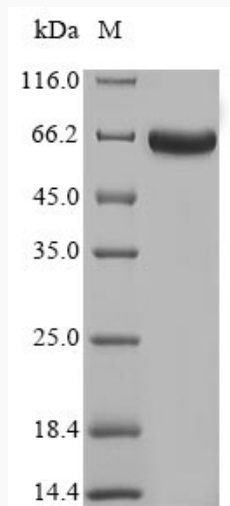
GENE INFORMATION

Gene Name	mtr mycothione reductase [<i>Mycobacterium tuberculosis</i> 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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