

# Probable endopeptidase ATP binding protein (chain B) ClpB (ClpB protein) (heat shock protein F84.1) , clpB ( Rv0384c )

## Product Details

**Size** 50ug

**Species** *Mycobacterium tuberculosis*

**Published Species** *Mycobacterium tuberculosis*

**Expression System** *Pichia pastoris*

## Amino acid sequence

VDSFNPTTKTQAALTAALQAASTAGNPEIRPAHLLMALLTQNDGIAAPLLE  
 AVGVEPATVRAETQRLLDRLPQATGASTQPQLSRESLAAITTAQQLATELDD  
 EYVSTEHVMMVGLATGDSVDVAKLLTGHGASPQALREAFVKVRGSARVTSPE  
 PEATYQALQKYSTDLTARAREGKLDPVIGRDNEIRRVVQVLSRRTKNNPVL  
 IGEPGVGKTAIVEGLAQRIVAGDVPESLRDKTIVALDLGSMVAGSKYRGEFE  
 ERLKAVLDDIKNSAGQIITFIDELHTIVGAGATGEGAMDAGNMIKPMMLARG  
 ELRLVGATTLD EYRKHIEKDAALERRFQQVYVGEPSEVEDTIGILRGLKDRY  
 EVHHGVRITDSALVAAATLS DRYITARFLPKAIDLVD EAA SRLRMEIDSRP  
 VEIDEVERLVRRL EIEEMALSKEEDEASAERLAKLRSELADQKEKLAELTT  
 RWQNEKNAIEIVRDLKEQLEALRGESERAERDGD LAKAAELRYGRIVEVE  
 KKLDAALPQAQAREQVMLKEEVGPDDIADV VSAWTGIPAGRLL EGETAKL  
 LRMEDELGKRVIGQKAAVTAVSDAVRRSRAGVSDPNRPTGAFMFLGPTGV  
 GKTELAKALADFLD DERAMVRIDMSEYGEKHTVARLIGAPPGYVGYEA  
 GGQLTEAVRRRPYTVVLFDEIEKAHPDVFDVLLQVLDEGR LTDGHHGRTVD  
 FRNTILILTSNLGSGGSAEQVLA AVRATFKPEFINRLDDVLIFEGLNPEELVRI  
 VDIQLAQLGKRLAQRRLQLQVSLPAKRWLAQRGFDPVYGARPLRRLVQQ  
 AIGDQLAKMLLAGQVHDGDTVPVNVSPDADSLILG

**Molecular weight** 92536.2 Da

**Class** Recombinant

**Type** Protein

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

**Endotoxin concentration** <1 EU/μg

**Activity**

**Conjugate** Unconjugated

**Form** Lyophilized

<b>Purification</b>	HPLC, SDS-PAGE
---------------------	----------------

<b>Contains</b>	no preservative
-----------------	-----------------

<b>Storage conditions</b>	-20°C
---------------------------	-------

### Product Specific Information

clpB ( Rv0384c ) is a 92536.2 Da globular protein consisting of 848 amino acid residues.

1046 References

## Proteomics (2)

Mol Cell Proteomics. ( 2011 Dec;10(12):M111.011627.  
doi: 10.1074/mcp.M111.011445.Epub 2011 Oct 3.)

Year

2011

### Proteogenomic analysis of Mycobacterium

Species

### tuberculosis by high resolution mass spectrometry

H37Rv

Authors:Dhanashree S Kelkar 1 , Dhirendra Kumar, Praveen Kumar, Lavanya Balakrishnan, Babyalakshmi Muthusamy, Amit Kumar Yadav, Priyanka Shrivastava, Arivusudar Marimuthu, Sridhar Anand, Hema Sundaram, Reena Kingsbury, H C Harsha, Bipin Nair, T S Keshava Prasad, Devendra Singh Chauhan, Kiran Katoch, Vishwa Mohan Katoch, Prahlad Kumar, Raghothama Chaerkady, Srinivasan Ramachandran, Debasis Dash, Akhilesh Pandey

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

Year

2010

### Definition of novel cell envelope associated proteins

Species

### in Triton X-114 extracts of Mycobacterium

H37Rv

### tuberculosis H37Rv

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

## Homology(1)

Microb Pathog. (2007 Nov-Dec;43(5-6):173-8. doi: 10.1016/j.micpath.2007.05.010.  
Epub 2007 Jun 2.)

Year

2007

# Comparative genomics of mycobacterial proteases

Species

H37Rv

Authors:Michelle Lopes Ribeiro-Guimarães <sup>1</sup>, Maria Cristina Vidal Pessolani

---

View more Proteomics references on <https://mycobrowser.epfl.ch/genes/>

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

---

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.