

**10 kDa culture filtrate antigen EsxB (LHP) , CFP10 (Rv3874)****Product Details**

<b>Size</b>	50ug
<b>Species</b>	<i>Mycobacterium tuberculosis</i>
<b>Published Species</b>	<i>Mycobacterium tuberculosis</i>
<b>Expression System</b>	<i>Pichia pastoris</i>
<b>Amino acid sequence</b>	MAEMKTDAATLAQEAGNFERISGDLKTQIDQVESTAGSLQGQWRGAAGT AAQAAVVRVFQEAANKQKQELDEISTNIRQAGVQYSRADEEQQALSSQM GF
<b>Molecular weight</b>	10793.8 Da
<b>Class</b>	Recombinant
<b>Type</b>	Protein
<b>Purity</b>	98% by SDS-PAGE gel and HPLC analyses.
<b>Endotoxin concentration</b>	<1 EU/μg
<b>Activity</b>	
<b>Conjugate</b>	Unconjugated
<b>Form</b>	Lyophilized
<b>Purification</b>	HPLC, SDS-PAGE
<b>Contains</b>	no preservative
<b>Storage conditions</b>	-20°C

**Product Specific Information**

CFP10 (Rv3874) is a 10793.8 Da globular protein consisting of 100 amino acid residues.

## Proteomics (2)

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

### Proteogenomic analysis of Mycobacterium tuberculosis by high resolution mass spectrometry

Authors:Dhanashree S Kelkar 1, Dhirendra Kumar, Praveen Kumar, Lavanya Balakrishnan, Babylakshmi 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

Year

2011

Species

H37Rv

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

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

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

Year

2010

Species

H37Rv

## Structure(1)

EMBO J. ( 2005 Jul 20;24(14):2491-8. doi: 10.1038/sj.emboj.7600732. Epub 2005 Jun 23. )

### Structure and function of the complex formed by the tuberculosis virulence factors CFP-10 and ESAT-6

Authors:Philip S Renshaw 1, Kirsty L Lightbody, Vaclav Veverka, Fred W Muskett, Geoff Kelly, Thomas A Frenkiel, Stephen V Gordon, R Glyn Hewinson, Bernard Burke, Jim Norman, Richard A Williamson, Mark D Carr

Year

2005

Species

H37Rv

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

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

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