

## Heat Shock Protein 65 Mycobacterium Tuberculosis Recombinant

<b>Item Number</b>	rAP-3428
<b>Synonyms</b>	Protein Cpn60-2, groEL protein-2, 65 kDa antigen, Heat shock protein 65, Cell wall protein A, Antigen A, groL2, groEL-2.
<b>Description</b>	Recombinant Mycobacterium Tuberculosis HSP65 is produced in E.coli and has a Mw of 57.4 kDa. The HSP65 protein is fused to His-Tag at N-Terminus and purified by standard chromatography techniques.
<b>Uniprot Accession Number</b>	P0A520
<b>Amino Acid Sequence</b>	HHHHHHGSAKTIAYDEEARRGLERGLNALADAVKVTLGPKGRNVVLEKKWGAP-TITNDGVSIAKEIELEDPYEKIGAELVKEVAKKTDVAGDGTATVLAQALVREGLRNVAAGANPLGLKRGIEAVEKVTETLLKGAKEVETKEQIAATAAISAGDQSIGDLIAEAMDKVGNEGVITVEESNTFGLQLELTEGMRFDKGYISGYFVTDPERQEAVLEDPYILLVSSKVSTVKDLLPLEKVIGAGKPLLIIEDVEGEALSTLVVNKIRGTFKSVAVKAPGFGDRRKAMLQDMAILTGGQVISEEVGLTLENADLSLLGKARKVVVTKDETTIVEGAGDTDAIAGRVAQIRQEIENSDDYDREKLQERLAKLAGGVAVKAGAATEVELKERKHRIEDAVRNAKAAVEEGIVAGG
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized HSP65 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution HSP65 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	The HSP65 protein was lyophilized from a concentrated (1mg/ml) solution containing 10mM Na-phosphate pH-7.4, 130mM NaCl and 2.5mM KCl. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized HSP-65 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**