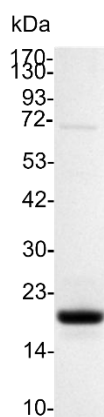


PRODUCT INFORMATION

**Recombinant Human Myoglobin Protein**

v. 250601

<b>Catalog number</b>	C01209-20UG / C01209-100UG
<b>Package</b>	20 µg / 100 µg
<b>Description</b>	Myoglobin (MB) is a small, monomeric heme protein primarily found in heart and skeletal muscle tissue. It functions as an intracellular oxygen storage protein, capable of reversibly binding and releasing molecular oxygen. Myoglobin facilitates oxygen diffusion to mitochondria, especially during periods of high metabolic demand or hypoxia. Elevated levels in serum can indicate muscle injury, particularly myocardial infarction. It serves as a biomarker for muscle injury and is commonly used in cardiovascular research and diagnostic assay development.
<b>Species of Origin</b>	Human
<b>Expression System</b>	Escherichia coli
<b>Sequence</b>	Met1-Gly154
<b>Affinity Tag</b>	His Tag (C-term)
<b>Endotoxin Level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 150 mM NaCl, pH 8.0
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> <li>● -20°C for 12 months in lyophilized state from date of receipt.</li> <li>● -20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant human myoglobin

*For research use only.*