

Myoglobin Protein, Mouse (P.pastoris, His)

Cat. No.:	HY-P71754
Synonyms:	Mb; Myoglobin
Species:	Mouse
Source:	P. pastoris
Accession:	P04247 (2G-154G)
Gene ID:	17189
Molecular Weight:	Approximately 21 kDa

PROPERTIES

AA Sequence	<p> G L S D G E W Q L V L N V W G K V E A D L A G H G Q E V L I G L F K T H P E T L D K F D K F K N L K S E E D M K G S E D L K K H G C T V L T A L G T I L K K K G Q H A A E I Q P L A Q S H A T K H K I P V K Y L E F I S E I I I E V L K K R H S G D F G A D A Q G A M S K A L E L F R N D I A A K Y K E L G F Q G </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Myoglobin protein serves as a vital reserve supply of oxygen and aids in the efficient transport of oxygen within muscles. It is a member of the globin family, which encompasses various proteins involved in oxygen binding and transport throughout the body.
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Caution: Product has not been fully validated for medical applications. For research use only.

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