

Product datasheet for **TP727611**

Myoglobin (MB) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Myoglobin/MB(C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Gly154
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl,200mM NaCl,1mM DTT,20% Glycerol,pH 8.0.
Note:	Recombinant Human Myoglobin is produced by our E.coli expression system and the target gene encoding Met1-Gly154 is expressed with a 6His tag at the C-terminus.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	4151
UniProt ID:	P02144
Synonyms:	MB; MGC13548; Myoglobin; PVALB
Summary:	Myoglobin(MB) is a cytoplasmic protein expressed in myocytes of the heart and skeletal muscle that reversibly binds oxygen. It belongs to the globin family. Functions of myoglobin include oxygen storage and transport, as well as scavenging of NO and reactive oxygen species. MB serves as a reserve supply of oxygen and facilitates the movement of oxygen within muscles. Myoglobin also serves as a sensitive marker for muscle injury resulting from cardiac infarction. Surprisingly, mice in which myoglobin has been removed by gene targeting are able to perform extensive exercise and respond normally to hypoxic challenge.



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