

# Recombinant Human MYH7

Catalog No: #GP10617



Package Size: #GP10617-1 100ug

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## Description

Product Name	Recombinant Human MYH7
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 300 amino acids of human myosin, heavy chain 7, cardiac muscle, beta
Target Name	myosin, heavy chain 7, cardiac muscle, beta
Other Names	CMH1, MPD1, SPMD, SPMM, CMD1S, MYHCB
Accession No.	Swissprot:P12883Gene Accession:BC112171
Uniprot	P12883
GenID	4625;
Storage	-20~-80°C, pH 7.6 PBS

## Background

Muscle myosin is a hexameric protein containing 2 heavy chain subunits, 2 alkali light chain subunits, and 2 regulatory light chain subunits. This gene encodes the beta (or slow) heavy chain subunit of cardiac myosin. It is expressed predominantly in normal human ventricle. It is also expressed in skeletal muscle tissues rich in slow-twitch type I muscle fibers. Changes in the relative abundance of this protein and the alpha (or fast) heavy subunit of cardiac myosin correlate with the contractile velocity of cardiac muscle. Its expression is also altered during thyroid hormone depletion and hemodynamic overloading. Mutations in this gene are associated with familial hypertrophic cardiomyopathy, myosin storage myopathy, dilated cardiomyopathy, and Laing early-onset distal myopathy.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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