

MYH7 抗原（重组蛋白）

中文名称： MYH7 抗原（重组蛋白）

英文名称： MYH7 Antigen (Recombinant Protein)

别名： CMH1, MPD1, SPMD, SPMM, CMD1S, MYHCB

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a C terminal 300 amino acids of human MYH7

技术规格

Full name:	myosin, heavy chain 7, cardiac muscle, beta
Synonyms:	CMH1, MPD1, SPMD, SPMM, CMD1S, MYHCB
Swissprot:	P12883
Gene Accession:	BC112171
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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.