

Recombinant Human MYF6

Cat. No. MYF6-29361TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human MYF6 with N terminal proprietary tag, predicted mwt: 36.52 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	The protein encoded by this gene is a probable basic helix-loop-helix (bHLH) DNA binding protein involved in muscle differentiation. The encoded protein likely acts as a heterodimer with another bHLH protein. Defects in this gene are a cause of autosomal dominant centronuclear myopathy (ADCNM).
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	Skeletal muscle.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids MMMDLFETGSYFFYLDGENVTLQPLEVAEGSPLYPGSDGTLSPCQDQMPPEAGSD
SSGEEHVLAPPGLQPPHCPGQCLIWACKTCKRKSAPTDRRKAAT

Sequence Similarities Contains 1 basic helix-loop-helix (bHLH) domain.

GENE INFORMATION

Gene Name MYF6 myogenic factor 6 (herculin) [Homo sapiens]

Official Symbol MYF6

Synonyms MYF6; myogenic factor 6 (herculin); myogenic factor 6; bHLHc4; MRF4;

Gene ID 4618

mRNA Refseq NM_002469

Protein Refseq NP_002460

MIM 159991

Uniprot ID P23409

Chromosome Location 12q21

Pathway C-MYB transcription factor network, organism-specific biosystem; CDO in myogenesis, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific

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biosystem; Id Signaling Pathway, organism-specific biosystem;

Function

DNA binding; contributes_to E-box binding; protein heterodimerization activity;
sequence-specific DNA binding transcription factor activity;

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