

Recombinant Full Length Human MYOD1 Protein, GST-tagged

Cat. No. MYOD1-6607HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MYOD1 full-length ORF (NP_002469.2, 1 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	320 amino acids
Description	This gene encodes a nuclear protein that belongs to the basic helix-loop-helix family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis. [provided by RefSeq
Molecular Mass	60.9 kDa
AA Sequence	MELLSPPLRDVDLTAPDGSLCSFATTDDFYDDPCFDSPDLRFFEDLDPRLMHVGALL KPEEHSHFPAAVHPAPGAREDEHVRAPSGHHQAGRCLLWACKACKRKTNNADRRK AATMRERRRLSKVNEAFETLKRCTSSNPQNQLPKVEILRNAIRYIEGLQALLRDQDAA PPGAAAIFYAPGPLPPGRGGEHYSGDSASSPRSNCSGMMMDYSGPPSGARRRN CYEGAYYNEAPSEPRPGKSAAVSSLDCLSSIVERISTESPAAPALLLADVPSSEPPRR QEAAAPSEGESSGDPTQSPDAAPQCPAGANPNPIYQVL
Applications	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MYOD1 myogenic differentiation 1 [Homo sapiens]
Official Symbol	MYOD1
Synonyms	MYOD1; myogenic differentiation 1; MYF3, myogenic factor 3; myoblast determination protein 1; bHLHc1; MYOD; PUM; myf-3; myogenic factor 3; class C basic helix-loop-helix protein 1; MYF3;
Gene ID	4654
mRNA Refseq	NM_002478
Protein Refseq	NP_002469
MIM	159970
UniProt ID	P15172

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