

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 KPEEHSHFPAAVHPAPGAREDEHVRAPSGHHQAGRCLLWACKACKRKTTNADRRK AATMRERRRLSKVNEAFETLKRCTSSNPQNQLPKVEILRNAIRYIEGLQALLRDQDAA PPGAAAFAFYAPGPLPPGRGGEHYSGDSDASSPRSNCSGDMMDYSGPPSGARRRN CYEGAYYNEAPSEPRPGKSAAVSSLDCLSSIVERISTESPAAPALLLADVPSSEPPRR QEAAAPSEGESSGDPTQSPDAAPQCPAGANPNPIYQVL
Applications	Enzyme-linked Immunoabsorbent Assay

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA