

Recombinant Human MYOD1 protein, Arginine-tagged

Cat. No. MYOD1-143H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MYOD1 protein fused with 11 arginine domain at C-terminal, which efficiently delivery protein intracellularly, was expressed in E. coli.
Species	Human
Source	E.coli
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	<p>ELLSPPLRDVLTAPDGLCSFATTDDFYDDPCFDSPLRFFEDLDPRLMHV GALLK PEESHFPAAVHPAPGAR EDEHVRAPSGHHQAGRCLLWACKACKRKTTNADRRK AATMRERRRLSKVNEAFETLKRCTSSNPQNQLPKVEILR NAIRYIEGLQALLRDQDA APPGAAAAFYAPGPLPPGRGGEHYS GDS DASSPRSNCS DGMMDYSGPPSGARRR NCY EGAYYNEAPSEPRPGKSAAVSSLDCLSSIVERISTESPAAPALLLADV PSESPP RRQEAAAPSEGESSGDPTQSP DAAPQCPAGANPNPIYQV LLEESGGGGSPGRRR RRRRRRRR</p>
Purity	>90% by SDS-PAGE
Applications	1. Protein transduction for human myogenesis study.2. Active recombinant protein, may be used for ELISA based DNA/Protein binding assay.3. As specific protein substrate for kinase assay.4. Immunogen for specific antibody production.
Storage	Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days

 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



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; MYF3;
Gene ID	4654
mRNA Refseq	NM_002478
Protein Refseq	NP_002469
MIM	159970
UniProt ID	P15172
Chromosome Location	11p15
Pathway	C-MYB transcription factor network, organism-specific biosystem; CDO in myogenesis, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Id Signaling Pathway, organism-specific biosystem; Myogenesis, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; Regulation of nuclear SMAD2/3 signaling, organism-specific biosystem;
Function	DNA binding; E-box binding; enzyme binding; protein binding; protein heterodimerization activity; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription

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factor activity; transcription coactivator activity; transcription factor binding; ubiquitin protein ligase binding;

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