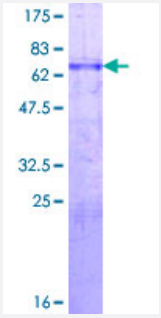
Full-Length

MYOD1 (Human) Recombinant Protein (P01)

Catalog # H00004654-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MYOD1 full-length ORF (NP_002469.2, 1 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MELLSPPLRDVDLTAPDGSLCSFATTDDFYDDPCFDSPDLRFFEDLDPRLMHVGALLKPEEHSH FPAAVHPAPGAREDEHVRAPSGHHQAGRCLLWACKACKRKTTNADRRKAATMRERRRLSKVN EAFETLKRCTSSNPNQRLPKVEILRNAIRYIEGLQALLRDQDAAPPGAAAAFYAPGPLPPGRGGEH YSGDSDASSPRSNCSDGMMDYSGPPSGARRRNCYEGAYYNEAPSEPRPGKSAAVSSLDCLSSI VERISTESPAAPALLLADVPSESPPRRQEAAAPSEGESSGDPTQSPDAAPQCPAGANPNPIYQV L
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	60.9
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MYOD1

Entrez GeneID	4654
GeneBank Accession#	NM_002478.4
Protein Accession#	NP_002469.2
Gene Name	MYOD1
Gene Alias	MYF3, MYOD, PUM, bHLHc1
Gene Description	myogenic differentiation 1
Omim ID	159970
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a nuclear protein that belongs to the basic helix-loop-helix family of transcripti on factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing c ell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regen eration. It activates its own transcription which may stabilize commitment to myogenesis. [provide d by RefSeq
Other Designations	myoblast determination protein 1|myogenic factor 3

Disease

- Carotid Artery Diseases

- Plaque