

Recombinant Human Myogenin (Myogenic Factor 4)

Cat. No. MYOG-164H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYF4 protein expressed in <i>E.coli</i> encodes full length amino acids and has a molecular mass of 51 kDa.
Species	Human
Source	<i>E.coli</i>
Description	Myogenin is a member of a family of myogenic regulatory genes, which includes MyoD, myf5 and MRF4. These genes encode a set of transcription factors, which are essential for muscle development. Transfection of myogenin into multipotential mesodermal cells have been shown to convert the mesodermal cells to myoblasts. Expression of myogenin is restricted to cells of skeletal muscle origin. It is therefore a useful marker for tumors of the muscle lineage, being strongly expressed in alveolar rhabdomyosarcomas.
Formulation	MMF-4 protein at 100g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol.
Application And Suggested Dilutions	•ELISA •Inhibition Assays •Western Blotting
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 51 kDa (Including GST).
Activity	Not known.

 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

Storage & Stability Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

Full Length Full L.

GENE INFORMATION

Gene Name [MYOG myogenin \(myogenic factor 4\) \[Homo sapiens \]](#)

Synonyms MYOG; myogenin (myogenic factor 4); MYF4; bHLHc3; MYOGENIN; myogenin; myogenic factor 4; Myogenic factor-4; bHLHc3; Myogenin; Myf-4; OTTHUMP00000039094

Gene ID [4656](#)

mRNA Refseq [NM_002479](#)

Protein Refseq [NP_002470](#)

MIM [159980](#)

UniProt ID [P15173](#)

Chromosome Location 1q31-q41

Function transcription activator activity; transcription factor activity

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