

Recombinant Human Myogenic Differentiation 1

Cat. No. MYOD1-163H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYOD1 protein expressed in <i>E.coli</i> encodes full length amino acids and has a molecular mass of 71 kDa.
Species	Human
Source	E.coli
Description	MyoD1 is not detected in normal adult tissue, but is highly expressed in the tumor cell nuclei of rhabdomyosarcomas. Occasionally nuclear expression of MyoD1 is seen in ectomesenchymoma and a subset of Wilm tumors. Weak cytoplasmic staining is observed in several non-muscle tissues, including glandular epithelium and also in rhabdomyosarcomas, neuroblastomas, Ewing sarcomas and alveolar soft part sarcomas.
Formulation	Recombinant Human MYOD1 protein at 100g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 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 71 kDa.
Storage & Stability	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

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Full Length
Full L.

GENE INFORMATION

Gene Name
[MYOD1 myogenic differentiation 1 \[Homo sapiens \]](#)
Synonyms

MYOD1; myogenic differentiation 1; PUM; MYF3; MYOD; bHLHc1; myogenic factor 3; myoblast determination protein; myoblast determination protein 1; Myf-3; Myogenic factor 3; Myoblast determination protein 1

Gene ID
[4654](#)
mRNA Refseq
[NM_002478](#)
Protein Refseq
[NP_002469](#)
MIM
[159970](#)
UniProt ID
[P15172](#)
**Chromosome
Location**

11p15

Function

RNA polymerase II transcription factor activity, enhancer binding; transcription coactivator activity; transcription factor binding

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