

Recombinant Human MyoD1 protein ab134857

1 References

Description

Product name	Recombinant Human MyoD1 protein
Purity	> 90 % SDS-PAGE. ab134857 was expressed in E.coli, refolded, chromatographically purified and sterile filtered.
Expression system	Escherichia coli
Accession	<u>P15172</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	29aa_Tag_ELLSPPLRDVDLTAPDGS LCS FAT TDDFYDDP CFDSPDLRF FEDLDPRLMHVGALLKPEEHS HFPA AVHPAPGAREDEH VRAPSGHHQAGR CLLWACKACKRKTTNADRRKAATMRERRRLSKVNEAFET LKRCTSSNP NQ RLPKVEILRNAIRYIEGLQALLRDQDAAPP GAAAAFYAPGP LPPGRGGEH YSGDSDASSPRSNCS DGMMDYSGPPSGARRRNCYEGAY YNEAPSEPRPGK SAAVSSLDCLSSIVERISTESPAAPALLADVPSESPPRR QEAAAPSEGE SSGDPTQSPDAAPQCPAGANPNPIYQV LLEESGGGGSP GRRRRRRRRRRRR
Predicted molecular weight	37 kDa including tags
Amino acids	2 to 320

Specifications

Our **Abpromise guarantee** covers the use of **ab134857** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituent: 0.32% Tris HCl

Buffer contains a proprietary formulation of NaCl, KCl, EDTA, Arginine, DTT and Glycerol.

General Info

Function

Involved in muscle differentiation (myogenic factor). Induces fibroblasts to differentiate into myoblasts. Activates muscle-specific promoters. Interacts with and is inhibited by the twist protein. This interaction probably involves the basic domains of both proteins.

Sequence similarities

Contains 1 basic helix-loop-helix (bHLH) domain.

Post-translational modifications

Acetylated by a complex containing EP300 and PCAF. The acetylation is essential to activate target genes. Conversely, its deacetylation by SIRT1 inhibits its function. Ubiquitinated on the N-terminus; which is required for proteasomal degradation.

Cellular localization

Nucleus.

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