

## Recombinant Mouse Myog Protein, His&GST-tagged

**Cat. No.** Myog-1810M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Myog Protein (Met1-Asn224) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Asn224
<b>Description</b>	Enables DNA-binding transcription activator activity, RNA polymerase II-specific; E-box binding activity; and chromatin DNA binding activity. Involved in several processes, including cellular response to estradiol stimulus; positive regulation of cell differentiation; and regulation of muscle adaptation. Acts upstream of or within several processes, including cellular response to lithium ion; cellular response to tumor necrosis factor; and skeletal muscle fiber development. Located in nucleus. Is expressed in several structures, including alimentary system; central nervous system; embryo mesenchyme; genitourinary system; and musculature. Orthologous to human MYOG (myogenin).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 55.2 kDa Accurate Molecular Mass: 58/41 kDa
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	Myog myogenin [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Myog
<b>Synonyms</b>	MYOG; myogenin; MYOD1-related protein; myo; MYF4; bHLHc3;
<b>Gene ID</b>	17928
<b>mRNA Refseq</b>	NM_031189
<b>Protein Refseq</b>	NP_112466
<b>UniProt ID</b>	P12979

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