

Recombinant Mouse Myog Protein, His&GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Myog Protein (Met1-Asn224) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Asn224
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.2 kDa Accurate Molecular Mass: 58/41 kDa
Purity	> 90%

 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

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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

 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