

Recombinant Rat Myog protein, His & T7-tagged

Cat. No. Myog-1513R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Myog aa. (Tyr4~Asp219 (Accession # NP_058811.2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Tyr4~Asp219
Description	This gene belongs to the myogenic factor subfamily of the basic helix-loop-helix (BHLH) family of transcription factors. The protein encoded by this gene is a muscle-specific skeletal myogenin, which acts in concert with other family members to regulate myogenesis. The protein plays an essential role in the conversion of undifferentiated cells to myoblasts and functional skeletal muscle.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.0kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	>95%
Characteristic	The isoelectric point is 6.5.

 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	SDS-PAGE; WB; ELISA; IP.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Myog myogenin [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Myog
Synonyms	myogenin
Gene ID	29148
mRNA Refseq	NM_017115.2
Protein Refseq	NP_058811.2
UniProt ID	P20428

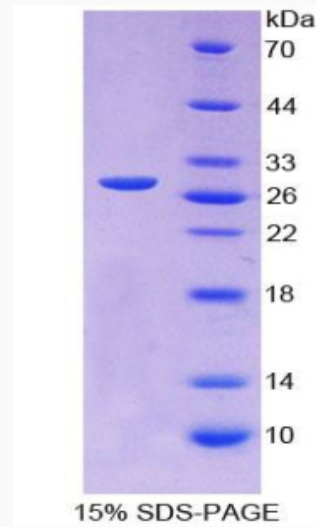
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SDS-PAGE



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