

EPB653Hu61 10µg

Eukaryotic Myostatin (MSTN)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Eukaryotic expression

Host: 293F cell

Residues: Asn24~Ser375

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 5% Trehalose.

Original Concentration: 70µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 6.4

Predicted Molecular Mass: 40.3kDa

Accurate Molecular Mass: 50kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affect the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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.

[SEQUENCE]

		NENSEQK	ENVEKEGLCN	ACTWRQNTKS
SRIEAIKIQI	LSKLRLETAP	NISKDVIRQL	LPKAPPLREL	IDQYDVQRDD
SSDGSLEDDD	YHATTETIIT	MPTESDFLMQ	VDGKPKCCFF	KFSSKIQYNK
VVKAQLWIYL	RPVETPTTVF	VQILRLIKPM	KDGTRYTGIR	SLKLDMNPGT
GIWQSIDVKT	VLQNWLKQPE	SNLGIEIKAL	DENGHD LAVT	FPGPGEDGLN
PFLEVKVTDT	PKRSRRDFGL	DCDEHSTESR	CCRYPLTVDF	EAFGWDWIIA
PKRYKANYCS	GECEFVFLQK	YPHTHLVHQA	NPRGSAGPCC	TPTKMSPINM
LYFNGKEQII	YGKIPAMVVD	RCGCS		

[IDENTIFICATION]

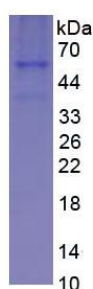


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.