

MUSTN1 Protein, Human, Recombinant (His)

General Information

Synonyms:	musculoskeletal, embryonic nuclear protein 1;MUSTANG
Protein Construction:	A DNA sequence encoding the human MUSTN1 (NP_995325.3) (Met1-Gly82) was expressed with a polyhistidine tag at the N-terminus. Predicted N terminal: His
Species:	Human
Expression Host:	E. coli
Accession:	Q8IVN3
Molecular Weight:	11.2 kDa (predicted); 16 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

MUSTN1 (Musculoskeletal, Embryonic Nuclear Protein 1) is a Protein Coding gene. It may play an important role in regulating musculoskeletal development in mammals. It belongs to the MUSTANG family. The MUSTN1 protein is localized to the nucleus in the myocardium and skeletal muscle fibers. It was expressed the greatest in skeletal muscle. The greatest relative growth rates appeared at the highest expression levels of the MUSTN1 gene, it was thought to play roles in duck muscle development. MUSTN1 is widely expressed in the prostate, fat, and other

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tissues. Diseases associated with MUSTN1 include Pulp Degeneration and Lacrimal System Cancer. An important paralog of this gene is ENSG00000243696.

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