

TnTf Protein, Bovine, Recombinant (His & Myc)

General Information

Synonyms: fast skeletal muscle;TnTf;Troponin T, fast skeletal muscle;Tnnt3

Protein Construction: 2-271 aa

Species: Bovine

Expression Host: E. coli

Accession: Q8MKI3

Molecular Weight: 39.0 kDa (predicted)

AA Sequence: SDEEVHVEEEYEEEEEAQEEAPPPPAEVPVHEEVHEVHEPEEVQEEKPRPRLTAPKIPGEGKVDFFDIQKK
RQNKDLMELQALIDSHFEARKKEEEELVALKERIEKRRRAERAEQQRIRAEKERERQNRRLAEEKARREEEDAKR
RAEDDLKKKKALSSMGANYSSYLAKADQKRGKKQTAREMKKKVLAEERRKPLNIDHLSKLDKLRDKAKELWDT
LYQLETDKFEYGEKLRQKYDITNLSRIDQAQKHSKKAGTAPKGGKVGGRWK

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

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:

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.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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