

Troponin T Cardiac, Human, Recombinant

#Cat: NB-29-00087 Size: 100µg
 #Cat: NB-29-00087-500µg Size: 500µg
 #Cat: NB-29-00087-1mg Size: 1mg

Synonym names:	Troponin T Cardiac, Human, Recombinant adult isoform, human cardiac troponin T isoform #6 or TnT3
Source:	Expressed in E. coli
Protein sequence:	Product of gene TNNT2; 288 a.a.r. MSDIEEVVEE YEEEEQEEAA VEEQEEAAEE DAEAEAETEE TRAEEDDEEE EAKEAEDGPM EESKPKPRSF MPNLVPPKIP DGERVDFDDI HRKRMEKDLN ELQALIEAHF ENRKKEEEEL VSLKDRIERR RAERAEQQRI RNEREKERQN RLAERARRE EEENRRKAED EARKKKALSN MMHFGGYIQK QAQTERKSGK RQTEREKKKK ILAERRKVL A IDHLNEDQLR EKAKELWQSI YNLEAEKFDL QEKFKQQKYE INVLNRIND NQKVSCTR GK AKVTGRWK Recombinant human cardiac TnT contains additional methionine residue at the N-terminus (in comparison with native protein expressed in cardiomyocytes).
Application:	Calibrator or standard in immunoassays, immunogen for antisera production, mass cTnT standard
Analysis:	Purity > 95 % (SDS-PAGE) Concentration is determined spectrophotometrically, abs 0.1% (1 g/L) - 0.490 (measured at 280 nm)
Immunological activity:	Immunoreactivity is confirmed by reaction with several monoclonal antibodies specific to different epitopes of human cardiac TnT isoform
Purification:	Immunoaffinity purification followed by ion-exchange chromatography
Presentation:	Lyophilized from 0.01 M HCl It is recommended to reconstitute this product with Tris/urea buffer (20 mM Tris, pH 7.5, 7 M urea, 5 mM EDTA, 15 mM 2-mercaptoethanol), to a concentration close to 1 mg/ml.
Storage:	Lyophilized -20°C (-15 ... -30 °C allowed) Reconstituted -70 °C (-65 ... -80 °C allowed)
Other information:	Avoid repeated freezing and thawing. It is recommended to aliquot the product after reconstitution.
Material safety note:	This product is sold for research or further manufacturing use only. Standard Laboratory Practices should be followed when handling this material. appropriate care must be taken when handling this product.