

Recombinant Human TPM3 293 Cell Lysate

Cat. No. TPM3-842HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for tropomyosin 3 (TPM3), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [TPM3 tropomyosin 3 \[Homo sapiens \]](#)

Official Symbol [TPM3](#)

Synonyms [TPM3](#); [tropomyosin 3](#); [NEM1](#); [tropomyosin alpha-3 chain](#); [TRK](#); [tropomyosin-3](#); [tropomyosin-5](#); [gamma-tropomyosin](#); [tropomyosin gamma](#); [cytoskeletal tropomyosin](#) [TM30](#); [heat-stable cytoskeletal protein 30 kDa](#); [TM3](#); [TM5](#); [CFTD](#); [TM-5](#); [TM30](#); [hTM5](#); [TM30nm](#); [TPMsk3](#); [hscp30](#); [OK/SW-cl.5](#); [MGC3261](#); [FLJ41118](#); [MGC14582](#); [MGC72094](#);

Gene ID [7170](#)

mRNA Refseq [NM_001043351](#)

Protein Refseq [NP_001036816](#)

MIM [191030](#)

UniProt ID [P06753](#)

Chromosome Location [1q21.2](#)

Pathway [Cardiac muscle contraction, organism-specific biosystem](#); [Cardiac muscle contraction, conserved biosystem](#); [Dilated cardiomyopathy, organism-specific biosystem](#); [Dilated cardiomyopathy, conserved biosystem](#); [Hypertrophic cardiomyopathy \(HCM\), organism-specific biosystem](#); [Hypertrophic cardiomyopathy](#)

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(HCM), conserved biosystem; Muscle contraction, organism-specific biosystem;

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