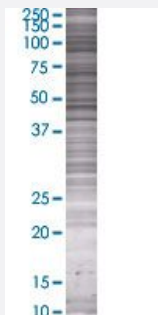


DMPK 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001760-T01

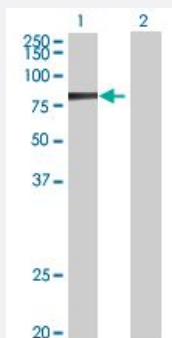
Size 100 uL

Applications



SDS-PAGE Gel

DMPK transfected lysate.



Western Blot

Lane 1: DMPK transfected lysate (69.3 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-DMPK full-length

Host Human

Theoretical MW (kDa) 69.3

Quality Control Testing Transient overexpression cell lysate was tested with Anti-DMPK antibody ([H00001760-B01](#)) by Western Blots.
 SDS-PAGE Gel
 DMPK transfected lysate.
 Western Blot
 Lane 1: DMPK transfected lysate (69.3 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — DMPK

Entrez GeneID	1760
GeneBank Accession#	NM_004409.2
Protein Accession#	NP_004400.4
Gene Name	DMPK
Gene Alias	DM, DM1, DM1PK, DMK, MDPK, MT-PK
Gene Description	dystrophia myotonica-protein kinase
Omim ID	160900 605377
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a serine-threonine kinase that is closely related to other kinases that interact with members of the Rho family of small GTPases. Substrates for this enzyme include myogenin, the beta-subunit of the L-type calcium channels, and phospholemman. The 3' untranslated region of this gene contains 5-37 copies of a CTG trinucleotide repeat. Expansion of this unstable motif to 50-5,000 copies causes myotonic dystrophy type I, which increases in severity with increasing repeat element copy number. Repeat expansion is associated with condensation of local chromatin structure that disrupts the expression of genes in this region. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq]
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Other Designations	DM protein kinase dystrophia myotonica 1 myotonic dystrophy associated protein kinase myotonic dystrophy protein kinase myotonin protein kinase A thymopoietin homolog
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Disease

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- [Cataract](#)
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- [Coronary Artery Disease](#)
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