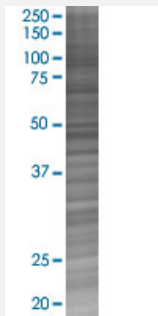


PER1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005187-T02

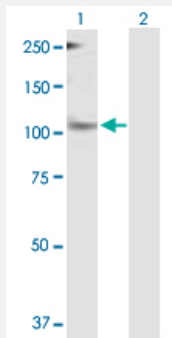
Size 100 uL

Applications



SDS-PAGE Gel

PER1 transfected lysate.



Western Blot

Lane 1: PER1 transfected lysate (136.20 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-PER1 full-length

Host Human

Theoretical MW (kDa) 136.2

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PER1 antibody ([H00005187-B01P](#)) by Western Blots.

SDS-PAGE Gel

PER1 transfected lysate.

Western Blot

Lane 1: PER1 transfected lysate (136.20 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 — PER1

Entrez GeneID[5187](#)**GeneBank Accession#**[NM_002616.1](#)**Protein Accession#**[NP_002607.1](#)**Gene Name**

PER1

Gene Alias

MGC88021, PER, RIGUI, hPER

Gene Description

period homolog 1 (Drosophila)

Omim ID[602260](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of the Period family of genes and is expressed in a circadian pattern in the suprachiasmatic nucleus, the primary circadian pacemaker in the mammalian brain. Genes in this family encode components of the circadian rhythms of locomotor activity, metabolism, and behavior. Circadian expression in the suprachiasmatic nucleus continues in constant darkness, and a shift in the light/dark cycle evokes a proportional shift of gene expression in the suprachiasmatic nucleus. The specific function of this gene is not yet known. Alternative splicing has been observed in this gene; however, these variants have not been fully described. [provided by RefSeq]

Other Designations

Period, drosophila, homolog of|circadian pacemaker protein RIGUI|period 1

Pathway

- [Circadian rhythm - mammal](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Chronobiology Disorders](#)
- [Cocaine-Related Disorders](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Mood Disorders](#)
- [NARP](#)
- [Ovarian cancer](#)
- [Paranoid Disorders](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep](#)
- [Sleep Disorders](#)
- [Time Perception](#)