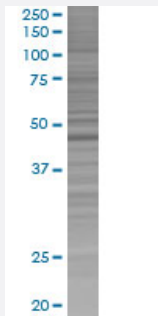


PER3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00008863-T01

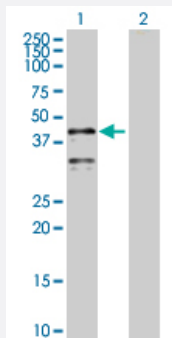
Size 100 uL

Applications



SDS-PAGE Gel

PER3 transfected lysate.



Western Blot

Lane 1: PER3 transfected lysate (41.69 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PER3 full-length
Host	Human
Theoretical MW (kDa)	41.69
Interspecies Antigen Sequence	Mouse (77); Rat (77)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PER3 antibody ([H00008863-B01](#)) by Western Blots.
 SDS-PAGE Gel
 PER3 transfected lysate.
 Western Blot
 Lane 1: PER3 transfected lysate (41.69 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 — PER3

Entrez GeneID

[8863](#)

GeneBank Accession#

[BC026102.1](#)

Protein Accession#

-

Gene Name

PER3

Gene Alias

GIG13

Gene Description

period homolog 3 (Drosophila)

Omim ID

[603427](#)

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. [provided by RefSeq]

Other Designations

OTTHUMP00000001354|growth-inhibiting protein 13|period 3|period circadian protein 3

Pathway

- [Circadian rhythm - mammal](#)

Disease

- [Arousal](#)
- [Attention](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Choice Behavior](#)
- [Chronobiology Disorders](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fatigue](#)
- [Genetic Predisposition to Disease](#)
- [Genetics](#)
- [Heroin Dependence](#)
- [Inflammation](#)
- [Mental Recall](#)
- [Mood Disorders](#)
- [Neuropsychological Tests](#)
- [Problem Solving](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)

- [Psychiatric Status Rating Scales](#)
- [Psychomotor Performance](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep](#)
- [Sleep Deprivation](#)
- [Sleep Disorders](#)
- [Sleep Stages](#)
- [Wakefulness](#)