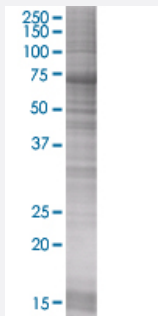


SIRT3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00023410-T01

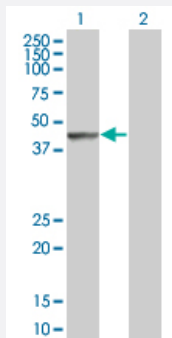
Size 100 uL

Applications



SDS-PAGE Gel

SIRT3 transfected lysate.



Western Blot

Lane 1: SIRT3 transfected lysate (44 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SIRT3 full-length
Host	Human
Theoretical MW (kDa)	43.63
Interspecies Antigen Sequence	Mouse (83); Rat (85)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-SIRT3 antibody ([H00023410-B01](#)) by Western Blots.
SDS-PAGE Gel
SIRT3 transfected lysate.
Western Blot
Lane 1: SIRT3 transfected lysate (44 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 — SIRT3

Entrez GeneID[23410](#)**GeneBank Accession#**[BC001042](#)**Protein Accession#**[AAH01042](#)**Gene Name**

SIRT3

Gene Alias

SIR2L3

Gene Description

sirtuin (silent mating type information regulation 2 homolog) 3 (S. cerevisiae)

Omim ID[604481](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Two alternatively spliced transcript variants that encode different proteins have been described for this gene. [provided by RefSeq]

Other Designations

mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase|silent mating type information regulation 2, S.cerevisiae, homolog 3|sir2-like 3|sirtuin 3|sirtuin type 3

Disease

- [Alzheimer disease](#)
- [Celiac Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)