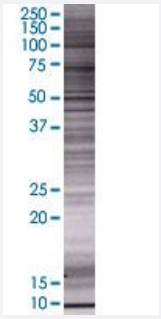
SIRT4 293T Cell Transient Overexpression Lysate(Denatured)

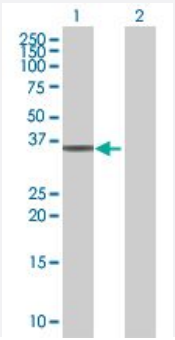
Catalog # H00023409-T01 Size 100 uL

Applications



SDS-PAGE Gel

SIRT4 transfected lysate.



Western Blot

Lane 1: SIRT4 transfected lysate (34.65 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SIRT4 full-length
Host	Human
Theoretical MW (kDa)	34.65
Interspecies Antigen Sequence	Mouse (87); Rat (85)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-SIRT4 antibody (H00023409-B01) by Western Blots. SDS-PAGE Gel SIRT4 transfected lysate. Western Blot Lane 1: SIRT4 transfected lysate (34.65 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 — SIRT4

Entrez GeneID	23409
GeneBank Accession#	NM_012240.1
Protein Accession#	NP_036372.1
Gene Name	SIRT4
Gene Alias	MGC130046, MGC130047, MGC57437, SIR2L4
Gene Description	sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae)
Omim ID	604482
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 IV of the sirtuin family. [provided by RefSeq
Other Designations	sir2-like 4|sirtuin 4|sirtuin type 4

Disease

- Diabetes Mellitus
- Genetic Predisposition to Disease