

Product datasheet for **TP504964**

Sirt6 (NM_181586) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sirtuin 6 (Sirt6), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204964 representing NM_181586 Red =Cloning site Green =Tags(s)

MSVNYAAGLSPYADKGGKGLPEIFDPPEELERKVVWELARLMWQSSSWFHTGAGISTASGIPDFRGPHGV
WTMEERGLAPKFDTTFENARPSKTHMALVQLERMGFLSFLVSNVDGLHVRSGFPRDKLAELHGNMFVEE
CPKCKTQYVRDVTVGTMGLKATGRLCTVAKTRGLRACRGELRDTILDWEDSLPDRDLMLADEASRTADLS
VTLGTSLQIRPSGNLPLATKRRGGRLVIVNLQPTKHDRQADLRIHGYYDEVCMRLMKHLGLEIPAWDGP
VLDKALPLPRPVALKAEPVHLNGAVHVSYSKSPNSPILHRPPKRVKTEAAPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	37.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_853617
Locus ID:	50721
UniProt ID:	P59941



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RefSeq Size:	1682
Cytogenetics:	10 39.72 cM
RefSeq ORF:	1002
Synonyms:	2810449N18Rik; AI043036; Sir2I6
Summary:	<p>NAD-dependent protein deacetylase. Has deacetylase activity towards histone H3K9Ac and H3K56Ac. Modulates acetylation of histone H3 in telomeric chromatin during the S-phase of the cell cycle. Deacetylates histone H3K9Ac at NF-kappa-B target promoters and may down-regulate the expression of a subset of NF-kappa-B target genes. Deacetylation of nucleosomes interferes with RELA binding to target DNA. May be required for the association of WRN with telomeres during S-phase and for normal telomere maintenance. On DNA damage, promotes DNA end resection via deacetylation of RBBP8. Has very weak deacetylase activity and can bind NAD(+) in the absence of acetylated substrate (By similarity). Acts as a corepressor of the transcription factor Hif1a to control the expression of multiple glycolytic genes to regulate glucose homeostasis. Required for genomic stability. Required for normal IGF1 serum levels and normal glucose homeostasis. Modulates cellular senescence and apoptosis. Regulates the production of TNF protein. Has a role in the regulation of life span in male mice, but not in female mice.[UniProtKB/Swiss-Prot Function]</p>