

Product datasheet for **TP302833M**

SIRT6 (NM_016539) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human sirtuin (silent mating type information regulation 2 homolog) 6 (<i>S. cerevisiae</i>) (SIRT6), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC202833 protein sequence Red =Cloning site Green =Tags(s) |

MSVNYAAGLSPYADKGGKGLPEIFDPPEELERKVVWELARLVWQSSSVFHTGAGISTASGIPDFRGPHGV
WTMEERGLAPKFDTTFESARPTQTHMALVQLERVGLLRFLVSNVDGLHVRSGFPRDKLAELHGNMFVEE
CAKCKTQYVRDVTVMGLKATGRLCTVAKARGLRACRGELRDTILDWEDSLPDRDLALADEASRNADLS
ITLGTSLQIRPSGNLPLATKRRGGRLVIVNLQPTKHDRHADLRHGYVDEVMTRLMKHLGLEIPAWDGP
VLERALPPLPRPPTPKLEPKESPTRINGSIPAGPKQEPCAQHNGSEPAQPKRERPTSPAPHRPPKRVKA
KAVPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 38.9 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 |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| 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. |
| 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: | <u>NP_057623</u> |



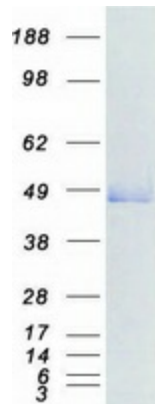
[View online »](#)

Locus ID: 51548
UniProt ID: [Q8N6T7](#)
RefSeq Size: 1657
Cytogenetics: 19p13.3
RefSeq ORF: 1065
Synonyms: SIR2L6

Summary: This gene encodes a member of the sirtuin family of NAD-dependent enzymes that are implicated in cellular stress resistance, genomic stability, aging and energy homeostasis. The encoded protein is localized to the nucleus, exhibits ADP-ribosyl transferase and histone deacetylase activities, and plays a role in DNA repair, maintenance of telomeric chromatin, inflammation, lipid and glucose metabolism. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified SIRT6 protein (Cat# [TP302833]). The protein was produced from HEK293T cells transfected with SIRT6 cDNA clone (Cat# [RC202833]) using MegaTran 2.0 (Cat# [TT210002]).