

Product datasheet for TP527263

Sirt1 (NM_019812) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse sirtuin 1 (Sirt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR227263 representing NM_019812 Red=Cloning site Green=Tags(s) |

MADEVALALQAAGSPSAAAAMEAASQPADEPLRKRPRRDGPGLGRSPGEPSSAAVAPAAAAGCEAASAAAPA
ALWREAAGAAASAEREAPATAVAGDGDNGSGLRREPRAADDFFDDDEGEEDEAAAAAAAAAIGYRDNLLL
TDGLLTNGFHSCESDDDDRTSHASSDWTTPRPRIGPYTFVQQHLMIGTDPRTILKDLLPETIPPELDDM
TLWQIVINILSEPPKRKKRKDINTIEDAVKLLQECKKIIVLTGAGVSVSCGIPDFRSRDGIYARLAVDFP
DLDPDQAMFDIEYFRKDP RPFFKFAKEIYPGQFQPSLCHKFIALSDKEGKLLRNYTQNIDTLEQVAGIQR
ILQCHGSFATASCLICKYKVDCEAVRGDIFNQVPRCPCPADEPLAIMKPEIVFFGENLPEQFHRAMKY
DKDEVLLIVIGSSLKVRPVALIPSSIPHEVPQILINREPLPHLHFDVELLGDVILNELCHRLGGEYA
KLCCNPVKLSEITEKPPRPQKELVHSELPTPLHISEDSSSPERTVPQDSSVIATLVDQATNNNVNDLE
VSESSCVEEKPQEVQTSRNVENINVENPDFKAVGSSTADKNERTSVAETVRKCWPNRLAKEQISKRLEGN
QYLFVPPNRYIFHGAEVYSDSEDDVLSSSSCGSNSDSGTCQSPSLEEPELDESEIEEFYNGLEDDTERPE
CAGGSGFGADGGDQEVVNEAIATRQELTDVNYP SDKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|----------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 80.8 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. |



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| 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_062786 |
| Locus ID: | 93759 |
| UniProt ID: | Q923E4 , Q53Z05 , Q3USJ2 , Q3USY7 |
| RefSeq Size: | 3920 |
| Cytogenetics: | 10 B4 |
| RefSeq ORF: | 2211 |
| Synonyms: | AA673258; S; Si; Sir2; Sir2a; Sir2alpha; SIR2L1 |
| Summary: | <p>This gene encodes a member of the sirtuin family of proteins, characterized by their deacetylase activity and proposed role in longevity. The encoded protein regulates gene expression in a wide range of cell and tissue types through its NAD⁺-dependent deacetylation of histones, transcription factors and transcriptional coactivators. Brain-specific overexpression of this gene has been shown to result in increased median lifespan. Viability of homozygous knockout mice for this gene varies with strain background. Homozygous knockout mice of strains that do not exhibit embryonic lethality are sterile and have a reduced lifespan. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]</p> |