



# Recombinant Human NAD-dependent protein deacetylase sirtuin-6 (SIRT6)

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| <b>Product Code</b>      | CSB-MP854057HU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Abbreviation</b>      | SIRT6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                                                           |
| <b>Uniprot No.</b>       | Q8N6T7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Sequence</b>          | SVNYAAGLS PYADKGKCG L PEIFDPPEEL ERK VWELARL VWQSSSVVFH<br>TGAGISTASG IPDFRGPHGV WTMEERGLAP KFD TTFESAR PTQTHMALVQ<br>LERVGLLRFL VSQNV DGLHV RSGFPRDKLA ELHG NMFVEE CAKCKTQYVR<br>DTVVG TMGLK ATGRLCTVAK ARGLRACRGE LRD TILDWED SLPDRDLALA<br>DEASRNADLS ITLGTSLQIR PSGNLPLATK RRGGR LVIVN LQPTKHDRHA<br>DLRIHGYVDE VMTRLMKHLG LEIPAWDGPR VLERALPPLP RPPTPKLEPK<br>EESPTRINGS IPAGPKQEPC AQHNGSEPAS PKRERPTSPA PHRPPKRVKA<br>KAVPS                                                                                                                                                           |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Target Names</b>      | SIRT6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Names</b>     | Recommended name: NAD-dependent protein deacetylase sirtuin-6 EC= 3.5.1.-<br>Alternative name(s): Regulatory protein SIR2 homolog 6 SIR2-like protein 6                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Expression Region</b> | 2-355                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Target Details</b>    | 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. This protein is included in class IV of the sirtuin family. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a                                                                                                                                                                                                                                                                                                                                                                                                                         |



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

#### **Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.