

## Product datasheet for **AR09083PU-L**

### SIRT6 (1-355, His-tag) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | SIRT6 (1-355, His-tag) human recombinant protein, 0.5 mg  |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH SSGLVPRGSH</u> MSVNAAAGLS PYADKGGKGL PEIFDPPEEL ERKVVWELARL VWQSSSVVFH TGAGISTASG IPDFRGPHGV WTMEERGLAP KFDTTFESAR PTQTHMALVQ LERVGLLRFL VSQNVLDGLHV RSGFPRDKLA ELHGNTMFVEE CAKCKTQYVR DTVVGTMGLK ATGRLCTVAK ARGLRACRGE LRDTILDWED SLPDRDLALA DEASRNADLS ITLGTSLQIR PSGNLPLATK RRGGRIVIVN LQPTKHDRHA DLRIHGYVDE VMTRLMEHLG LEIPAWDGPR VLERALPLP RPPTPKLEPK EESPTRINGS IPAGPKQEPK AQHNGSEPAS PKRERPTSPA PHRPPKRVKA KAVPS |
| Tag:                                  | His-tag   |
| Concentration:                        | lot specific  |
| Purity:                               | >95% by SDS PAGE  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl pH 8.0, 10% Glycerol  |
| Preparation:                          | Liquid purified protein   |
| Protein Description:                  | Recombinant SIRT6, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography techniques.  |
| Storage:                              | Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.  |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <u>NP_001180214</u>   |
| Locus ID:                             | 51548   |
| UniProt ID:                           | <u>Q8N6T7</u>   |
| Cytogenetics:                         | 19p13.3   |
| Synonyms:                             | SIR2L6  |



[View online »](#)

**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:**