

## Product datasheet for PH302833

### SIRT6 (NM\_016539) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SIRT6 MS Standard C13 and N15-labeled recombinant protein (NP_057623)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202833
Predicted MW:	39.1 kDa
Protein Sequence:	>RC202833 protein sequence Red=Cloning site Green=Tags(s)

MSVNYAAGLSPYADK GKCGLPEIFDPPEELERKVWELARLVWQSSSVFHTGAGISTASGIPDFRPHGV  
WTMEERGLAPKFDTTFESARPTQTHMALVQLERVGLLRFVLSQNV DGLHVRSGFPRDKLAELHGNMFVEE  
CAKCKTQYVRD TVVGT MGLKATGRLCTVAKARGLRACRGELRDTILDWEDSLPDRDLALADEASRNADLS  
ITLGTSLQIRPSGNLPLATKRGGRLVI VNLQPTKHDRHADLRIHGYVDEVMTRLMKHLGLEIPAWDGPR  
VLERALPPLPRPPTPKLEPKEESPTRINGSIPAGPKQEPCAQHNGSEPA SPKRERPTSPAPHRPPKRKVA  
KAVPS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_057623</a>
RefSeq Size:	1657
RefSeq ORF:	1065
Synonyms:	SIR2L6
Locus ID:	51548



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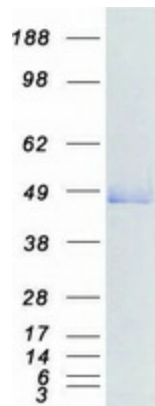
UniProt ID: [Q8N6T7](#)

Cytogenetics: 19p13.3

**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]).