

## Product datasheet for TP305658

### SIRT7 (NM\_016538) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sirtuin (silent mating type information regulation 2 homolog) 7 ( <i>S. cerevisiae</i> ) (SIRT7), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205658 protein sequence Red=Cloning site Green=Tags(s)

MAAGGLSRSERKAAERVRLREEQQRERLRQVSRILRKAAAERSAEEGRLLAESADLVTELQGRSRRREG  
LKRRQEEVCDDPEELRGKVRELASAVRNAKYLVVYTGAGISTAASIPDYRGPNGVWTLQKGRSVSAADL  
SEAEPTLTHMSITRLHEQKLVQHVVSQNCGLHLRSGLPRTAISELHGNMYIEVCTSCVPNREYVRVFDV  
TERTALHRHQGTGRTCHKCGTQLRDTIVHFGERTLGQPLNWEAATEAASRADTILCLGSSLKVLKYPRL  
WCMTKPPSRRPKLYIVNLQWTPKDDWAALKLHGKDDVMRLLMAELGLEIPAYSRWQDPIFSLATPLRAG  
EEGSHSRKSLCRSREEAPPGDRGAPLSSAPILGGWFGRGCTKRTKRKKVT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	44.7 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
Bioactivity:	Enzyme activity (PMID: <a href="#">28147277</a> )
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.



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RefSeq: [NP\\_057622](#)

Locus ID: 51547

UniProt ID: [Q9NRC8](#)

RefSeq Size: 1749

Cytogenetics: 17q25.3

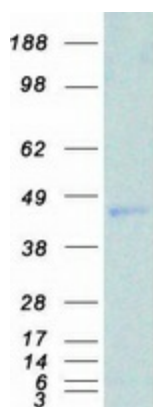
RefSeq ORF: 1200

Synonyms: SIR2L7

**Summary:** 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. The protein encoded by this gene is included in class IV of the sirtuin family. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified SIRT7 protein (Cat# TP305658). The protein was produced from HEK293T cells transfected with SIRT7 cDNA clone (Cat# [RC205658]) using MegaTran 2.0 (Cat# [TT210002]).