

## SIRT7 (Human) Recombinant Protein (P01)

Catalog # : H00051547-P01

規格 : [ 2 ug ]

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### Specification

**Product Description:** Human SIRT7 full-length ORF ( NP\_057622.1, 1 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:** MAAGGLSRSERKAAERVRLREEQQRERLRQVSRILRKAAAERSAEEGRLLAESADLVTELQGRSRRREGLKRRQEEVCDDPEELRGKVRELASAVRNAKYLVYTGAGISTAASIPDYRGPNGVWTLQKGRSVSAADLSEAEP TLTHMSITRLHEQKLVQHVSQNC DGLHLRSGLPRTAISELHGNMYIEVCTSCVPNREYVRVFDVTERTALHRHQTGR TCHKCGTQLRDTIVHFGERTLGGPLNWEAATEASRADTILCLGSSLVKLYPRLWCMTKPPSRRPKLYIVNLQWTPKDDWAALKLHGKDDVMRLMAELGLEIPAYSRWQDPIFSLATPLRAGEEGSHSRKSLCRSREEAPPGDRGAPLSSAPILGGWFGRGCTKRTRKRVKVT

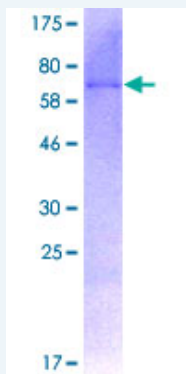
**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 71.3

**Preparation Method:** *in vitro* wheat germ expression system

**Purification:** Glutathione Sepharose 4 Fast Flow

**Quality Control Testing:** 12.5% SDS-PAGE Stained with Coomassie Blue.



**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note:** Best use within three months from the date of receipt of this protein.

**MSDS:** [Download](#)

**Interspecies:** Mouse (94); Rat (94)

**Antigen Sequence:**

**Datasheet:** [Download](#)

### Application Image

Enzyme-linked Immunoabsorbent Assay

Western Blot (Recombinant protein)

Antibody Production

Protein Array

## Applications

Enzyme-linked Immunoabsorbent Assay

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## Gene Information

Entrez GeneID: [51547](#)

GeneBank Accession#: [NM\\_016538.1](#)

Protein Accession#: [NP\\_057622.1](#)

Gene Name: SIRT7

Gene Alias: MGC126840,MGC126842,SIR2L7

Gene Description: sirtuin (silent mating type information regulation 2 homolog) 7 (S. cerevisiae)

Omim ID: [606212](#)

Gene Ontology: [Hyperlink](#)

**Gene 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]

**Other Designations:** silent mating type information regulation 2, S.cerevisiae, homolog 7,sir2-related protein type 7,sirtuin 7,sirtuin type 7

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