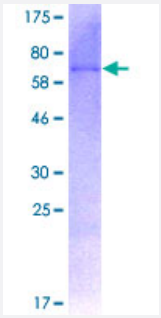
Full-Length

SIRT7 (Human) Recombinant Protein (P01)

Catalog # H00051547-P01 Size 25 ug, 10 ug

Applications



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	MAAGGLSRSERKAAERVRRLREEQQRERLRQVSRILRKAAAERSAEEGRLLAESADLVTELQGR SRRREGLKRRQEEVCDDPEELRGKVRELASAVRNAKYLVVYTGAGISTAASIPDYRGPNGVWTLL QKGRSVSAADLSEAEPTLTHMSITRLHEQKLVQHVVSQNCDGLHLRSGLPRTAISELHGNMYIEVC TSCVPNREYVRVFDVTERTALHRHQTGRTCHKCGTQLRDTIVHFGERGTLGQPLNWEAATEAAS RADTILCLGSSLKVLKKYPRLWCMTKPPSRRPKLYIVNLQWTPKDDWAALKLHGKCDDVMRLLM AELGLEIPAYSRWQDPIFSLATPLRAGEEGSHSRKSLCRSREEAPPGDRGAPLSSAPILGGWFGR GCTKRTKRKKVT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	71.3
Interspecies Antigen Sequence	Mouse (94); Rat (94)
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.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SIRT7

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 cla sses. The functions of human sirtuins have not yet been determined; however, yeast sirtuin protein s 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-ri bosyltransferase activity. The protein encoded by this gene is included in class IV of the sirtuin fa mily. [provided by RefSeq
Other Designations	silent mating type information regulation 2, S.cerevisiae, homolog 7|sir2-related protein type 7|sirt uin 7|sirtuin type 7