

Active Recombinant Full Length Human SIRT7 Protein, C-Flag-tagged

Cat. No. SIRT7-641HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SIRT7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme activity
Molecular Mass	44.7 kDa
AA Sequence	MAAGGLSRSERKAAERVRLREEQQRERLRQVSRILRKAAAERSAEEGRLLAESAD LVTELQGRSRREG LKRRQEEVCDDPEELRGKVRELASAVRNAKYLVVYTGAGIST

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AASIPDYRGPNGVWTLQKGRSVSAADL SEAEPTLTHMSITRLHEQKLVQHVVSN
 CDGLHLRSGLPRTAISELHGNMYIEVCTSCVPNREYVRVFDV TERTALHRHQTGRT
 CHKCGTQLRDTIVHFGERGTLGQPLNWEAATEAASRADTILCLGSSLKVLKKYPRL
 WCMTKPPSRRPKLYIVNLQWTPKDDWAALKLHGKCDDVMRLLELGLAELGLEIPAYSR
 WQDPIFSLATPLRAG
 EEGSHSRKSLCRSREEAPPGDRGAPLSSAPILGGWFGRGCTKRTKRKKVTTTRPL
 EQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	SIRT7 sirtuin 7 [Homo sapiens (human)]
Official Symbol	SIRT7
Synonyms	SIR2L7

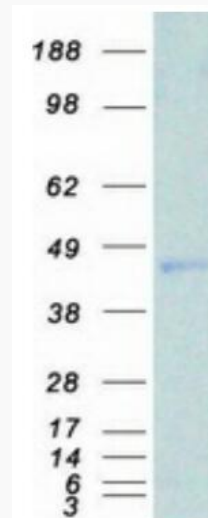
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Gene ID	51547
mRNA Refseq	NM_016538.3
Protein Refseq	NP_057622.1
MIM	606212
UniProt ID	Q9NRC8



Coomassie blue staining of purified SIRT7 protein.