Recombinant Full Length Human SIRT5 Protein, C-Flag-tagged

Cat. No. SIRT5-522HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SIRT5 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 III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	33.7 kDa
AA Sequence	MRPLQIVPSRLISQLYCGLKPPASTRNQICLKMARPSSSMADFRKFFAKAKHIVIISGA GVSAESGVPTF RGAGGYWRKWQAQDLATPLAFAHNPSRVWEFYHYRREVMGSK EPNAGHRAIAECETRLGKQGRRVVVITQ NIDELHRKAGTKNLLEIHGSLFKTRCTSC GVVAENYKSPICPALSGKGAPEPGTQDASIPVEKLPRCEEA GCGGLLRPHVVWFGE NLDPAILEEVDRELAHCDLCLVVGTSSVVYPAAMFAPQVAARGVPVAEFNTETTP

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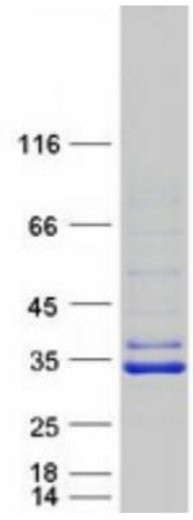
	ATNRFRFHFQGPCGTTLPEALACHENETVSTRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 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	SIRT5 sirtuin 5 [Homo sapiens (human)]
Official Symbol	SIRT5
Synonyms	SIR2L5
Gene ID	23408
mRNA Refseq	NM_012241.5

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Protein Refseq	NP_036373.1
MIM	604483
UniProt ID	Q9NXA8



Coomassie blue staining of purified SIRT5 protein.

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