

Recombinant Human SIRT5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SIRT5-2646H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SIRT5 MS Standard C13 and N15-labeled recombinant protein (NP_036373) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	33.9 kDa
AA Sequence	MRPLQIVPSRLISQLYCGLKPPASTRNQICLKMARPSSSMADFRKFFAKAKHIVIISGA GVSAESGVPTFRGAGGYWRKWQAQDLATPLAFAHNPSRVWEFYHYRREVMGSKE PNAGHRAIAECETRLGKQGRRVVITQNIDELHRKAGTKNLLEIHGSLFKTRCTSCGV VAENYKSPICPALSGKGAPEPGTQDASIPVEKLPCEEAGCGGLLRPHVWVWFGENL DPAILEEVDRELAHCDLCLVVGTSVVYPAAAMFAPQVAARGVPVAEFNTETTPATNR

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FRFHFQGPCGTTLPEALACHENETVSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SIRT5 sirtuin 5 [Homo sapiens (human)]

Official Symbol SIRT5

Synonyms SIRT5; sirtuin 5; sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae), sirtuin (silent mating type information regulation 2, S.cerevisiae, homolog) 5; NAD-dependent lysine demalonylase and desuccinylase sirtuin-5, mitochondrial; sir2-like 5; sirtuin type 5; SIR2-like protein 5; NAD-dependent deacetylase sirtuin-5; silent mating type information regulation 2, S.cerevisiae, homolog 5; SIR2L5; FLJ36950;

Gene ID 23408

mRNA Refseq NM_012241

Protein Refseq NP_036373

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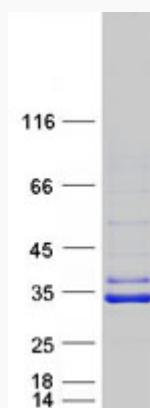
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MIM 604483

UniProt ID Q9NXA8

SDS-PAGE



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