

Recombinant Human SIRT5 protein, His-tagged

Cat. No. SIRT5-2683H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRT5 protein(1-310 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	1-310 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MRPLQIVPSRLISQLYCGLKPPASTRNQICLKMARPSSSMADFRKFFAKAKHIVIISGA GVSAESGVPTFRGAGGYWRKWQAQDLATPLAFAHNPSRVWEFYHYRREVMGSKE PNAGHRAIAECETRLGKQGRVVVITQNIDELHRKAGTKNLLEIHGSLFKTRCTSCGV VAENYKSPICPALSGKGAPEPGTQDASIPVEKLP RCEEAGCGGLLRPHVWVFGENL DPAILEEVDRELAHCDLCLVVGTSVVYP AAMFAPQVAARGVPVAEFNTETTPATNR FRFHFQGPCGTTLPEALACHENETVS
Purity	85%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [SIRT5 sirtuin 5 \[Homo sapiens \]](#)

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;

mRNA Refseq [NM_001193267](#)

Protein Refseq [NP_001180196](#)

MIM [604483](#)

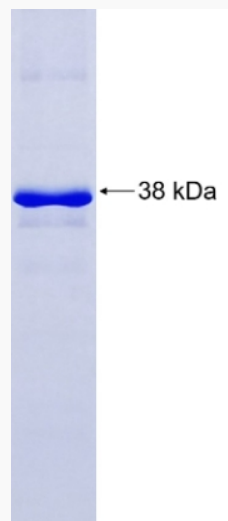
UniProt ID [Q9NXA8](#)

Gene ID [23408](#)

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SDS-PAGE

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