

Recombinant Human SIRT1 Protein, His-tagged

Cat. No. SIRT1-190H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRT1 Protein(Q96EB6)(2-747 aa) was expressed in E.coli with a polyhistide tag at the C-terminus.
Species	Human
Source	E.coli
ProteinLength	2-747aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Molecular Mass	83.1 kDa
AASequence	ADEAALALQPGGSPSAAGADREAASSPAGEPLRKRPRRDGPGLERSPGEPGGAAP EREVPAAARGCPGAAAAALWREAEAEAAAAGGEQEAQATAAAGEGDNGPGLQGP SREPPLADNLYDEDDDDDEGEEEEEEAAAAAIGYRDNLLFGDEIITNGFHSCESDEEDR ASHASSSDWTPRPRIGPYTFVQQHLMIGTDPRTILKDLLPETIPPELDDMTLWQIVIN ILSEPPKRKKRKDINTIEDAVKLLQECKKIIVLTGAGVSVSCGIPDFRSRDGIYARLAVD FPDLDPDQAMFDIEYFRKDPRPFFKFAKEIYPGQFQPSLCHKFIALSDKEGKLLRNYT QNIDTLEQVAGIQRIIQCHGSFATASCLICKYKVDCEAVRGDIFNQVVRCPRCPADE PLAIMKPEIVFFGENLPEQFHRAMKYDKDEVDLLIVIGSSLKVRPVALIPSSIPHEVPQI LINREPLPHLHFDVELLGDCDVIINELCHRLGGEYAKLCCNPVKLSEITEKPPRTQKEL AYLSELPTPLHVSEDSSSPERTSPDSSVIVTLLDQAAKSNDLDLVSESKGCMEEK

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PQEVQTSRNVESIAEQMENPDLKNVGSSTGEKNERTSVAGTVRKCWPNRVAKEQI
 SRRLDGNQYLFLPPNRYIFHGAEVYSDSEDDVLSSSSCGSNSDSGTCQSPSLEEP
 EDESEIEEFYNGLEDEPDVPERAGGAGFGTDGDDQEAINAISVKQEVTDNMNYP
 SNKS

Purity Greater than 95% as determined by SDS-PAGE.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

GENE INFORMATION

Gene Name [SIRT1 sirtuin 1 \[Homo sapiens \]](#)

Official Symbol [SIRT1](#)

Synonyms SIRT1; sirtuin 1; sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) , sirtuin (silent mating type information regulation 2, S. cerevisiae, homolog) 1; NAD-dependent deacetylase sirtuin-1; SIR2L1; hSIR2; hSIRT1; SIR2alpha; sir2-like 1; sirtuin type 1; SIR2-like protein 1;

Gene ID [23411](#)

mRNA Refseq [NM_001142498](#)

Protein Refseq [NP_001135970](#)

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MIM	604479
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UniProt ID	Q96EB6
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