

NAD-dependent protein deacetylase sirtuin-1 (SIRT1) Recombinant Protein | SIRT1 recombinant protein

Recombinant Human NAD-dependent protein deacetylase sirtuin-1 (SIRT1)

CATALOG # AAA116845	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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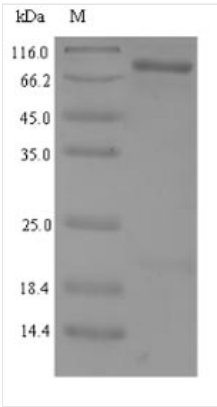
PRODUCT SYNONYMS

NAD-dependent protein deacetylase sirtuin-1 (SIRT1); Recombinant Human NAD-dependent protein deacetylase sirtuin-1 (SIRT1); Regulatory protein SIR2 homolog 1; SIR2-like protein 1; hSIR2; Cleaved into the following chain: SirtT1 75 kDa fragment; 75SirT1; SIRT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-747aa; Full Length of Mature Protein
Sequence	ADEAALALQP GGSPSAAGAD REAASSPAGE PLRKRRRDG PGLERSPGEP GGAAPERIEVP AAARGCPGAA AAALWREAEA EAAAAGGEQE AQATAAAGEG DNGPGLQGPS REPPLADNLY DEDDDDEGEE EEEEEAAAIG YRDNLLFGDE IITNGFHSCE SDEEDRASHA SSSDWTTPRP IGPYTFVQQH LMIGTDPRTI LKDLLPETIP PPELDDMTLW QIVINILSEP PKRKKRKDIN TIEDAVKLLQ ECKKIIVLTG AGVSVSCGIP DFRSRDGIYA RLAVDFPDLP DPQAMFDIEY FRKDPRPFFK FAKEIYPGQF QPSLCHKFIA LSDKEGKLLR NYTQNIIDLE QVAGIQRIQ CHGSFATASC LICKYKVDCE AVRGDIFNQV VPRCPRCPAD EPLAIMKPEI VFFGENLPEQ FHRAMKYDKD EVDLLIVIGS SLKVRPVALI PSSIPHEVPQ ILINREPLPH LHFDVELLGD CDVIINELCH RLGGEYAKLC CNPVKLSEIT EKPRTQKEL AYLSLPPPTP LHVSEDSSSP ERTSPDSSV IVTLDDQAAK SNDDLVSSES KGCMEKPQE VQTSRNVESI AEQMENPDLK NVGSSTGEKN ERTSVAGTVR KCWPNRVAKE QISRRLDGNQ YLFLPPNRYI FHGAEVYSDS EDDVLSSSSC GSNSDSGTCQ SPSLEPMED ESEIEEFYNG LEDEPDVPER AGGAGFGTDG DDQEAINAI SVKQEVTDNM YPSNKS
Sequence Length	2-747aa; Full Length of Mature Protein
Species	Homo sapiens (Human)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SIRT1 recombinant protein	Inhibited by nicotinamide. Activated by resveratrol (3,5,4'-trihydroxy-trans-stilbene), butein (3,4,2',4'-tetrahydroxychalcone), piceatannol (3,5,3',4'-tetrahydroxy-trans-stilbene), Isoliquiritigenin (4,2',4'-trihydroxychalcone), fisetin (3,7,3',4'-tetrahydroxyflavone) and quercetin (3,5,7,3',4'-pentahydroxyflavone). MAPK8/JNK1 and RPS19BP1/AROS act as positive regulators of deacetylation activity. Negatively regulated by CCAR2.
Product Categories/Family for SIRT1 recombinant protein	Epigenetics and Nuclear Signaling
References	"Inhibition of silencing and accelerated aging by nicotinamide, a putative negative regulator of yeast sir2 and human SIRT1." Bitterman K.J., Anderson R.M., Cohen H.Y., Latorre-Esteves M., Sinclair D.A. J. Biol. Chem. 277:45099-45107(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	215982798
NCBI GeneID	23411
NCBI Accession #	NP_001135970.1
NCBI GenBank Nucleotide #	NM_001142498.1
UniProt Accession #	Q96EB6; Q2XNF6; Q5JVQ0; Q9GZR9; Q9Y6F0
Molecular Weight	85.5 kDa
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-1 isoform b
NCBI Official Synonym Full Names	sirtuin 1
NCBI Official Symbol	SIRT1
NCBI Official Synonym Symbols	SIR2; SIR2L1; SIR2alpha
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-1
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-1
UniProt Gene Name	SIRT1
UniProt Synonym Gene Names	SIR2L1; hSIRT1; hSIR2; 75SirT1
UniProt Entry Name	SIR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/sirt1-recombinant-protein-e-coli/116845>