

SIRT2, 1-352aa, Human, His tag, E.coli

Cat.NO.: TP03944

3th Edition

Synonyms:NAD-dependent deacetylase sirtuin-2, SIR2, SIR2L, SIR2L2

Description:SIRT2 (NAD-dependent deacetylase sirtuin-2) is 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 and are involved in diverse processes, including transcriptional regulation, cell cycle progression, DNA-damage repair and aging. SIRT2 is a NAD-dependent deacetylase, which deacetylates the 'Lys-40' of alphetubulin. Recombinant human SIRT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. General

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 2mM DTT, 200mM NaCl, 0.5mM EDTA

Molecular Weight:41.7kDa (372aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMDFLRNLFSQLSLGSKERLLDELTLGVARYMQSERCRRVICLVGAGISTSAGI
PDFRSPSTGLYDNLEKYHLPYPEAIFEISYFKKHPEPFFALAKELYPGQFKPTICHYFMRLKDKGLLLRCYTNIDTL
ERIAGLEQEDLVEAHGTFYTSVCVSAASCRHEYPLSWMKEKIFSEVTPKCEDCQSLVKPDIVFFGESLPARFFSCMQ
SDFLKVDLLLVMGTSLQVQPFASLISKAPLSTPRLLINKEKAGQSDPFLGMIMGLGGGMDFDSSKKAYRDVAWLGEC
DQGCLALAEELGWKKELEDLVRREHASIDAQSGAGVNPSTSASPKKSPPPAKDEARTTEREKPK

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.