

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

SIRT3, 118-399aa, Human, His tag, E.coli

产品货号: TP03945

第三版

别名:NAD-dependent deacetylase sirtuin-3, mitochondrial, SIR2L3, Sirtuin3

描述:NAD-dependent deacetylase sirtuin-3, mitochondrial, also known as SIRT3, belongs to the sirtuin family of proteins. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have a range of molecular functions and have emerged as important proteins in aging, stress resistance and metabolic regulation. SIRT3 exhibits NAD⁺-dependent deacetylase activity in the mitochondria. Over-expression of SIRT3 results in increased levels of the mitochondrial uncoupling protein 1. SIRT3 protein levels are also elevated in certain breast cancers. Recombinant human SIRT3 protein, fused to Histag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

分子量:33.5kDa (303aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMSDKGKLSLQDVAELIRARACQRVVVMVGAGISTPSGIPDFRSPGSGLYSNLQQYDLPYP
EAIFELPFFFHNPKPFFTLAKELYPGNYKPNVTHYFLRLLHDKGLLLRLYTQNIIDGLERVSGIPASKLVEAHGTFASATCTVC
QRPFGEDIRADVMADRVPRCPVCTGVVVKPDIVFFGEPLPQRFLHVVDFPMADLLLILGTSLEVEPFASLTEAVRSSVPRLL
INRDLVGPLAWHPRSRDVAQLGDVVHGVESLVELLWTEEMRDLVQRETGKLDGPK

纯度:> 95% by HPLC

浓度:1mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.