Active Sirtuin 3 (SIRT3)

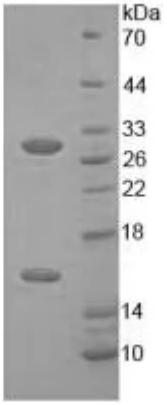
Catalog#:PEM12945

概述（Summary）

别称（Alternative Names）	SIR2L3; Silent Mating Type Information Regulation 2 Homolog 3; NAD-dependent protein deacetylase sirtuin-3, mitochondrial; SIR2-like protein 3; Regulatory protein SIR2 homolog 3
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Gly5-Arg257】
Accession #	Q8R104
表达宿主（Host）	E.coli
种属（Species）	Mus musculus (Mouse)
预测分子量（Predicted MW）	32.2 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of 100mMNaHCO₃, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in ddH_2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	NAD-dependent protein deacetylase. Activates or deactivates mitochondrial target proteins by deacetylating key lysine residues. Known targets include ACSS1, IDH, GDH, PDHA1, SOD2, LCAD, SDHA and the ATP synthase subunit ATP5PO. Contributes to the regulation of the cellular energy metabolism. Important for regulating tissue-specific ATP levels. In response to metabolic stress, deacetylates transcription factor FOXO3 and recruits FOXO3 and mitochondrial RNA polymerase POLRMT to mtDNA to promote mtDNA

transcription. Acts as a regulator of ceramide metabolism by mediating deacetylation of ceramide synthases CERS1, CERS2 and CERS6, thereby increasing their activity and promoting mitochondrial ceramide accumulation.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

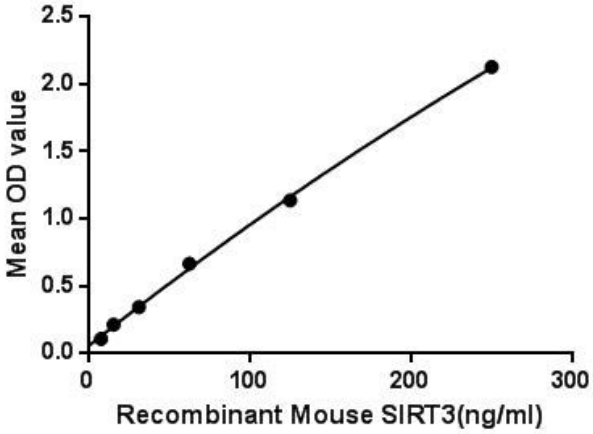


Figure. The binding activity of SIRT3 with DLAT.

注意事项（Note）

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