

# Product Datasheet

## Sirtuin 1/SIRT1 Assay Kit (Fluorometric) KA1366

Unit Size: 1 Kit

Store at -80C. Avoid freeze-thaw cycles.

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**KA1366****Sirtuin 1/SIRT1 Assay Kit (Fluorometric)**

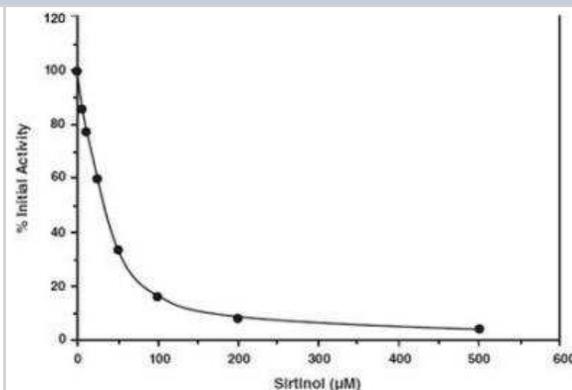
<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.

<b>Product Description</b>	
<b>Description</b>	Sirtuin 1/SIRT1 Direct Fluorescent Screening Assay Kit provides a fluorescence-based method for screening SIRT1 inhibitors or activators.
<b>Gene ID</b>	23411
<b>Gene Symbol</b>	SIRT1
<b>Species</b>	Mouse
<b>Kit Components</b>	SIRT1 Direct Assay Buffer (10X), SIRT1 (human recombinant), SIRT1 Direct Peptide, SIRT1 Direct NAD <sup>+</sup> , SIRT1 Direct Nicotinamide, SIRT1 Direct Developer, SIRT1 Direct Fluorophore, Half Volume 96-Well Plate (white), 96-Well Cover Sheet
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Assay Type</b>	Fluorometric
<b>Suitable Sample Type</b>	Compounds expected to inhibit SIRT1
<b>Sample Volume</b>	5 uL/well. All samples should be assayed in duplicate at minimum.

<b>Product Application Details</b>	
<b>Applications</b>	Functional, Enzyme Activity, Quantification
<b>Recommended Dilutions</b>	Functional, Enzyme Activity, Quantification

**Images**

Sirtuin 1/SIRT1 Assay Kit (Fluorometric) [KA1366] - Inhibition of SIRT1 by Sirtinol (IC<sub>50</sub>= 38 uM).

**Publications**

Carlos T, Susana R, Maria H et al. Taurine, homotaurine, GABA and hydrophobic amino acids content influences "in vitro" antioxidant and SIRT1 modulation activities of enzymatic protein hydrolysates from algae. *Sci Rep.* 2022-12-02 [PMID: 36460715]

Chen C, Ju R, Zhu L et al. Carboxyamidotriazole alleviates muscle atrophy in tumor-bearing mice by inhibiting NF-κB and activating SIRT1. *Naunyn Schmiedebergs Arch Pharmacol* 2017-04-01 [PMID: 28124088]



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### **Products Related to KA1366**

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NBP2-56849PEP	Sirtuin 1/SIRT1 Recombinant Protein Antigen
NBP1-04676	PGC1 alpha Antibody - BSA Free
NBP1-51641	Sirtuin 1/SIRT1 Antibody (1F3) - BSA Free
NBP2-29661-1Kit	Human, Mouse, Rat RelA/NFkB p65 ELISA Kit (Colorimetric)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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