

# Product Datasheet

## Sirtuin 3/SIRT3 Assay Kit (Fluorometric) KA1369

Unit Size: 1 Kit

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

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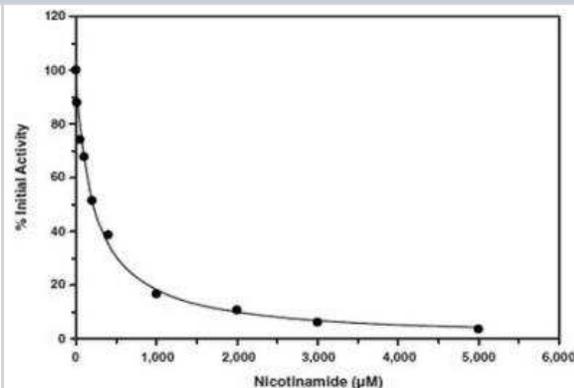


**KA1369****Sirtuin 3/SIRT3 Assay Kit (Fluorometric)**

<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>	SIRT3 Direct Fluorescent Screening Assay Kit provides a fluorescence-based method for screening SIRT3 inhibitors or activators.
<b>Gene ID</b>	23410
<b>Gene Symbol</b>	SIRT3
<b>Kit Components</b>	Assay Buffer (10X), SIRT3 (human recombinant), SIRT3 Direct Peptide, NAD <sup>+</sup> , Nicotinamide, Developer, 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 activate or inhibit SIRT3
<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
<b>Recommended Dilutions</b>	Functional

**Images**

Sirtuin 3/SIRT3 Assay Kit (Fluorometric) [KA1369] - Inhibition of SIRT3 by Nicotinamide (IC<sub>50</sub>= 200 uM).

**Publications**

Ding-Kang C, Hui-Yan S, Liu Y et al. The bibenzyl derivatives of *Dendrobium officinale* prevent UV-B irradiation induced photoaging via SIRT3. *Nat Prod Bioprospect*. 2022-01-27 [PMID: 35084580]



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### **Products Related to KA1369**

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NBP1-87037PEP	Sirtuin 3/SIRT3 Recombinant Protein Antigen
NBP1-04676	PGC1 alpha Antibody - BSA Free
NBP2-52563	Sirtuin 3/SIRT3 Antibody (6B2A1) - BSA Free
NB200-103	p53 Antibody (PAb 240) - BSA Free

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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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