

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)**

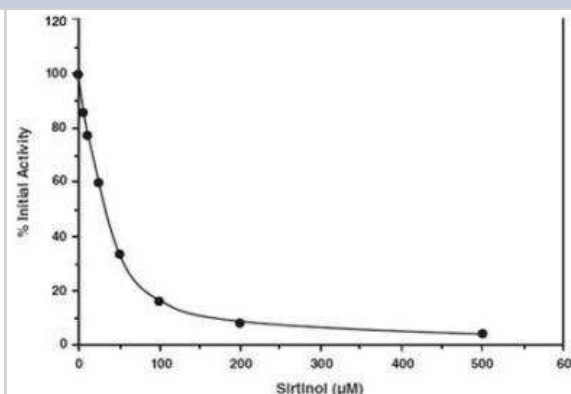
Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -80C. Avoid freeze-thaw cycles.

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

Product Application Details	
Applications	Functional, Enzyme Activity, Quantification
Recommended Dilutions	Functional, Enzyme Activity, Quantification

Images

Sirtuin 1/SIRT1 Assay Kit (Fluorometric) [KA1366] - Inhibition of SIRT1 by Sirtinol (IC₅₀= 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 Schmiedeberg's Arch Pharmacol 2017-04-01 [PMID: 28124088]





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Products Related to KA1366

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)

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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