DPP (IV) Inhibitor Screening Assay Kit

Catalog # KA1311 Size 1 Kit

Specification

Product Description	DPP (IV) Inhibitor Screening Assay Kit is a fluorescence-based method for screening DPP (IV) inhibitors.
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at -80°C temporarily. For best results, store the components as described in the protocol.

Applications

- Functional Study

Publication Reference

- In Vitro and In Silico Antidiabetic Efficacy of Solanum lasiocarpum Dunal Fruit Extract.

  Jing Zhao., Ahmed Abdulkareem Najm., Ibrahim Mahmood., Zhang Yu Ming., Partha Pratim Dutta., Wamidh H. Talib., Douglas Law., Shazrul Fazry.

  PLOS ONE 2025 Mar; 20(3):0.

  Application: DPP-4 inhibition assay, Enzyme-based screening

- Purification and Identification of Novel Dipeptidyl Peptidase IV Inhibitory Peptides Derived from Bighead Carp (Hypophthalmichthys nobilis).

  Hanzhi Zheng, Leyan Zhao, Yushuo Xie, Yuqing Tan

  Foods 2024 Aug; 13(17).

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- Two novel angiotensin-converting enzyme (ACE) and dipeptidyl peptidase IV (DPP-IV) inhibiting peptides from tilapia (Oreochromis mossambicus) skin and their molecular docking mechanism.

  Jiayi Chen, Hongwu Ji, Jing Luo, Di Zhang, Shucheng Liu.

  J Food Sci. 2024 Jun; 89(6):3603.

  Application: Functional Study, Fish, Skin

- Discovery and functional mechanism of novel dipeptidyl peptidase IV inhibitory peptides from Chinese traditional fermented fish (Chouguiyu).

  Daqiao Yang, Chunsheng Li, Laihao Li, Yueqi Wang, Shengjun Chen, Yongqiang Zhao, Xiao Hu, Hui Rong.

  Current Research in Food Science 2022 Sep; 5:1676.

  Application: Func, Fish, Fish peptide extract

- Identification of the DPP-IV Inhibitory Peptides from Donkey Blood and Regulatory Effect on the Gut Microbiota of Type 2 Diabetic Mice.

  Chaoyue Ma, Dan Liu, Huifang Hao, Xiaotong Wu

  Foods 2022 Jul; 11(14):0.

- Potential Mechanisms Involved in the Protective Effect of Dicaffeoylquinic Acids from Artemisia annua L. Leaves against Diabetes and Its Complications.

  Hesham El-Askary, Heba H Salem, Amira Abdel Motaal.

  Molecules. 2022 Jan 27;27(3):857. doi: 10.3390/molecules27030857. 2022 Jan; 27(3):857.

  Application: Func, Plant, Leaves

- Novel dipeptidyl peptidase-IV and angiotensin-I-converting enzyme inhibitory peptides released from quinoa protein by in silico proteolysis.

  Huimin Guo, Aurore Richel, Yuqiong Hao, Xin Fan, Nadia Everaert, Xiushi Yang, Guixing Ren.

  Food Science & Nutrition 2020 Jan; 8(3):1415.

  Application: Screening, Peptides

- Identification of Potential Dipeptidyl Peptidase (DPP)-IV Inhibitors among Moringa oleifera Phytochemicals by Virtual Screening, Molecular Docking Analysis, ADME/T-Based Prediction, and In Vitro Analyses.

  Yang Yang, Chong-Yin Shi, Jing Xie, Jia-He Dai, Shui-Lian He, Yang Tian.

  Molecules (Basel, Switzerland) 2020 Jan; 25(1):189.

  Application: Quant, Human, Human serum

- Synthesis and evaluation of camphor and cytisine-based cyanopyrrolidines as DPP-IV inhibitors for the treatment of type 2 diabetes mellitus.

  Kuranov SO, Tsypysheva IP, Khvostov MV, Zainullina LF, Borisevich SS, Vakhitova YV, Luzina OA, Salakhutdinov NF.

  Bioorganic & Medicinal Chemistry 2018 Aug; 26(15):4402.

  Application: Func, Compounds

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