

# Product Datasheet

## DPPIV/CD26 Inhibitor Screening Assay Kit KA1311

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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**KA1311****DPPIV/CD26 Inhibitor Screening Assay Kit**

<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>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Description</b>	DPP (IV) Inhibitor Screening Assay Kit is a fluorescence-based method for screening DPP (IV) inhibitors.
<b>Gene ID</b>	1803
<b>Gene Symbol</b>	DPP4
<b>Kit Components</b>	DPP Assay Buffer (10X), DPP IV (human recombinant), DPP Substrate, Sitagliptin Positive Control Inhibitor, Half Volume 96-Well Plate (white), 96-Well Cover Sheets
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Suitable Sample Type</b>	Compounds expected to inhibit DPP (IV)
<b>Sample Volume</b>	10 uL/well. All samples should be assayed in duplicate at minimum.
<b>Product Application Details</b>	
<b>Applications</b>	Functional, Quantification
<b>Recommended Dilutions</b>	Functional, Quantification

**Publications**

Kuranov S, Tsypysheva I, Khvostov M et al. Synthesis and evaluation of camphor and cytosine-based cyanopyrrolidines as DPP-IV inhibitors for the treatment of type 2 diabetes mellitus. *Bioorg Med Chem*. 2018-07-11 [PMID: 30056037]

Yang Y, Chong-Yin S, Jing X et al. 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. *Molecules*. 2020-01-02 [PMID: 31906524]

Huimin G, Aurore R, Yuqiong H et al. Novel dipeptidyl peptidase-IV and angiotensin-I-converting enzyme inhibitory peptides released from quinoa protein by in silico proteolysis. *Food Sci Nutr*. 2020-01-27 [PMID: 32180951]

Daqiao Y, Chunsheng L, Laihao L et al. Discovery and functional mechanism of novel dipeptidyl peptidase ? inhibitory peptides from Chinese traditional fermented fish ( Chouguiyu). *Curr Res Food Sci*. 2022-09-23 [PMID: 36204708]





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### **Products Related to KA1311**

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NBP3-16980PEP	DPPIV/CD26 Recombinant Protein Antigen
202-IL-010	IL-2 [Unconjugated]
AF1180	DPPIV/CD26 Antibody [Unconjugated]
NBP1-19371	CD4 Antibody - 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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