CREATIVE BIOMART®
Assay Kit

DPP9 Assay Kit

Product Information

Cat.No. Kit-1720

Product Overview

Dipeptidyl peptidase-9 (DPP9) is a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. DPP9 exhibits similar activity to that of DPP4 but unlike DPP4, DPP9 is not membrane bound. DPP9 activity has been linked to several diseases, including type 2 diabetes, obesity and cancer.

Size

96 reactions

Description

The Fluorogenic DPP9 Assay Kit is designed to measure DPP9 activity using purified DPP9 for screening and profiling applications. The key to the Fluorogenic DPP9 Assay Kit is the fluorogenic substrate. Using this kit, only one simple step on a microtiter plate is required for DPP9 reactions. The fluorometric substrate is incubated with a sample containing DPP9 enzyme to produce a fluorophore that can then be measured using a fluorescence reader.

Applications

Great for studying enzyme kinetics and screening small molecular inhibitors for drug discovery and HTS applications.

Storage

At least 12 months from date of receipt, when stored as directed. Kit components require different storage conditions. Be sure to store each component at the proper temperature upon arrival.

Kit Components

DPP9 human recombinant enzyme: 10 µg; -80°CDPP assay buffer: 10 ml; -20°C Fluorogenic DPP substrate 1 in DMSO (0.5 mM): 100 µl; -80°C AMC Fluorescent standard (50 µM): 500 µl; -20°C black, low binding NUNC black microtiter plate: 1 plate; Room temp.

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