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DPP4 Human

Description: Dipeptidyl Peptidase-IV was purified from human placenta cells.

Catalog #:ENPS-389

Synonyms:DPP-IV, DPPIV, DPP4, DPP-4, Dipeptidyl Peptidase-IV, Dipeptidyl Peptidase-4, CD26, adenosine deaminase complexing protein 2, Dipeptidylpeptidase-IV, CD-26, ADABP, ADCP2, DPIV, TP103, DP-IV, DP-4, DP4.

For research use only.

Source: Human Placenta.

Physical Appearance: Filtered lyophilized (freeze-dried) powder.

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
Each 70ng were lyophilized from 29.1l containing 2mM Tris-HCl, pH 8.0.

Stability:
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
Add deionized water to prepare a working stock solution of approximately 0.5mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Introduction:
Group IB secretory phospholipase A2 (sPLA2-IB) mediates cell proliferation, cell migration, hormone release and eicosanoid production via its receptor in peripheral tissues. In the CNS, high-affinity binding sites of sPLA2-IB have been documented. sPLA2-IB induced neuronal cell death in a concentrationdependent manner depending on PGD2 metabolites, especially Delta12-PGJ2 that might mediate sPLA2-IB-induced apoptosis. The secretory PLA2 (sPLA2) family, in which 10 isozymes have been identified, consists of lowmolecular weight, Ca2+-requiring secretory enzymes that have been implicated in a number of biological processes, such as modification of eicosanoid generation, inflammation, and host defense.

Biological Activity:
One unit is defined as the amount of enzyme which will hydrolyze 1m of H-Gly-Pro-pNA per 1min at 25°C, pH 7.8.

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