**Data Sheet**

**DPP4**
human, recombinant, C-terminal His tag  
**Catalog #:** 80040

**Formulated in:** 25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, and 3 mM DTT.

**Stability:** >6 months at –80°C

**References:**
2. Langley AK, Suffoletta TJ, and Jennings HR Pharmacotherapy. 2007 Aug;27(8):1163-80

**Description:** Human DPP4 (GenBank Accession No. NM_001935), (amino acids 29-end) with C-terminal His tag, MW=89.10 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

**Specific Activity:** 4630 pmol/min/µg. Assay condition: 50 mM Tris (pH 7.5), 100 µg BSA, 20 µM substrate (A-P-AMC), room temperature.

**Application:** Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

**Quality Assurance**

**DPP4 Specific Activity**

![Graph showing DPP4 Specific Activity](chart.png)

**10% SDS-PAGE Coomassie staining**

<table>
<thead>
<tr>
<th>Lane</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>8 µg DPP4</td>
</tr>
<tr>
<td>2</td>
<td>Protein Marker BioLabs (#P7708L)</td>
</tr>
</tbody>
</table>

**MW:** 112 kDa.  
**Purity:** >95%

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Assay Protocol

Material: DPP4 Substrate: A-P-AMC

Step 1: Add the entire reaction mixture to a low binding NUNC black plate (VWR catalog no. 62408-936)

10 µl DPP4 (1 ng/µl)
85 µl of DPP4 assay buffer
5 µl of 100 µM substrate

Incubate at 22 ºC for 10 min.

Step 2: Read sample in a microtiter-plate reading fluorimeter that is capable of excitation at wavelengths ranging from 350-380 nm and detection of emitted light ranging from 440-460 nm.