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## Data Sheet

### DPP3

human, recombinant, N-terminal GST tag  
Catalog #: 80030

**Fomulated 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:**

1. Gevaert, K. et al., Proteomics 5 (14), 3589-3599 (2005)
2. Abramic, M. et al., Int. J. Biochem. Cell Biol. 36 (3), 434-446 (2004)

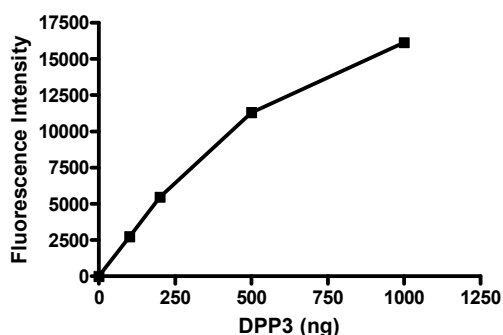
**Description:** Human DPP3 (GenBank Accession No. NM\_130443), (full length) with N-terminal GST tag, MW=109 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

**Specific Activity:** 425 pmol/min/ug. Assay condition: 50 mM Tris (pH 7.5), 100 ug BSA, 5 uM substrate (Arg-Arg-AMC), room temperature.

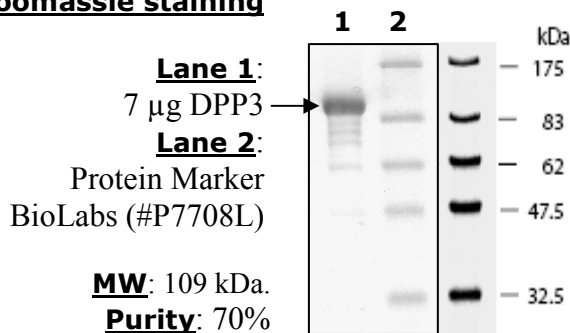
**Application:** Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

### Quality Assurance

#### DPP3 Specific Activity



#### 10% SDS-PAGE Coomassie staining



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## Assay Protocol

**Material:** DPP3 Substrate: R-R-AMC

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

10  $\mu$ l of DPP3 (10 ng/ $\mu$ l)  
85  $\mu$ l of DPP assay buffer  
5  $\mu$ l of 100  $\mu$ M substrate

Incubate at 22 °C 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.

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