

## DPP2 Protein, Mouse (HEK293, His)

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|--------------------------|---|
| <b>Cat. No.:</b>         | HY-P75712   |
| <b>Synonyms:</b>         | Dipeptidyl peptidase 2; Dipeptidyl peptidase 7; DPP II; DPP7; DPP2; QPP |
| <b>Species:</b>          | Mouse   |
| <b>Source:</b>           | HEK293  |
| <b>Accession:</b>        | Q9ET22 (L37-R506)   |
| <b>Gene ID:</b>          | 83768   |
| <b>Molecular Weight:</b> | Approximately 65 kDa  |

### PROPERTIES

|                                |  |
|--------------------------------|--|
| <b>AA Sequence</b>             | <pre> L D P D F H E N Y F   E Q Y M D H F N F E   S F G N K T F G Q R   F L V S D K F W K M G E G P I F F Y T G   N E G D I W S F A N   N S G F M V E L A A   Q Q E A L L V F A E H R Y Y G K S L P F   G V Q S T Q R G Y T   Q L L T V E Q A L A   D F A V L L Q A L R Q D L G V H D A P T   I A F G G S Y G G M   L S A Y M R M K Y P   H L V A G A L A A S A P V V A V A G L G   D S Y Q F F R D V T   A D F Y G Q S P K C   A Q A V R D A F Q Q I K D L F L Q G A Y   D T I S Q N F G T C   Q S L S S P K D L T   Q L F G F A R N A F T V L A M M D Y P Y   P T D F L G P L P A   N P V K V G C Q R L   L N E G Q R I M G L R A L A G L V Y N S   S G T E P C Y D I Y   R L Y Q S C A D P T   G C G T G S D A R A W D Y Q A C T E I N   L T F D S N N V T D   M F P E I P F S E E   L R Q Q Y C L D T W G V W P R Q D W L Q   T S F W G G D L K A   A S N I I F S N G D   L D P W A G G G I Q S N L S T S V I A V   T I Q G G A H H L D   L R A S N S E D P P   S V V E V R K L E S T L I R E W V A A A   R L K Q P A M P R W   P G P K K Q H P S R           </pre> |
| <b>Biological Activity</b>     | Measured by its ability to cleave the fluorogenic peptide substrate, Lys-Pro-AMC (KP-AMC). Read at excitation and emission wavelengths of 380 nm and 460 nm. The specific activity is 35103.678 pmol/min/μg, as measured under the described conditions.   |
| <b>Appearance</b>              | Lyophilized powder   |
| <b>Formulation</b>             | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.  |
| <b>Endotoxin Level</b>         | <1 EU/μg, determined by LAL method.  |
| <b>Reconstitution</b>          | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).  |
| <b>Storage &amp; Stability</b> | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.   |
| <b>Shipping</b>                | Room temperature in continental US; may vary elsewhere.  |

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## DESCRIPTION

### Background

The DPP2 protein is crucial in the degradation process of certain oligopeptides, fulfilling an important role.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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