

Human CellExp™ DPPII / QPP / DPP7, human recombinant

CATALOG #:	7512-10	10 µg
ALTERNATE NAMES:	DPPII, QPP, DPP7, DPP2, Dipeptidyl peptidase 2, Dipeptidyl aminopeptidase II	
SOURCE:	HEK 293 cells (Gly 22 – Leu 492)	
PURITY:	≥ 95% by SDS-PAGE gel	
MOL. WEIGHT:	This protein is fused with polyhistidine tag at the C-terminus, has a calculated MW of 53 kDa. The predicted N-terminus is Gly 22. DTT-reduced Protein migrates as 60-66 kDa due to glycosylation.	
ENDOTOXIN LEVEL:	< 1.0 EU per µg of the rhKLK-8 by the LAL method.	
FORM:	Lyophilized	

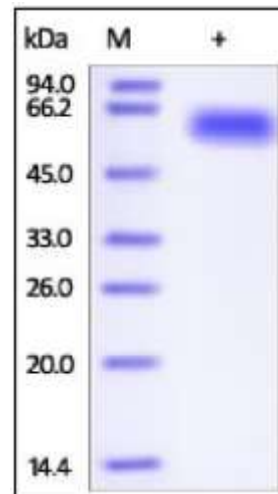
FORMULATION: Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH 7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C or -70°C for up to 3 months. Avoid repeated freezing and thawing cycles. No activity loss was observed after storage in lyophilized state for 1 year (4°C) and after reconstitution under sterile conditions for 3 months (-70°C).

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in PBS, pH 7.4. Do not vortex.

DESCRIPTION: Dipeptidyl peptidase 2 (DPP2 or DPP II) is also known as Dipeptidyl peptidase 7 (DPP7), Quiescent cell proline dipeptidase (QPP), which belongs to the peptidase S28 family. DPP7 / DPP2 is detected in seminal plasma (at protein level). When the pH is 5.5, Dipeptidyl peptidase 2 displays an optimum catalytic activity. DPP7 has low activity at pH 7 and is inactive at pH 8. DPP7 plays an important role in the degradation of some oligopeptides.

BIOLOGICAL ACTIVITY: Measured by its ability to cleave the fluorogenic peptide substrate,



Human recombinant DPPII / QPP / DPP7. The purity of DPPII / QPP / DPP7 was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

RELATED PRODUCTS:

- Dipeptidyl Peptidase IV, Human Placenta (**Cat. No. 4709-10**)
- Dipeptidylpeptidase IV, human recombinant (**Cat. No. 4710-10, -50, -1000**)
- Human CellExp™ DPPIV/CD26, human recombinant (untagged) (**Cat. No. 7436-10**)
- DPP4 Activity Fluorometric Assay Kit (**Cat. No. K779-100**)
- DPP4 Inhibitor Screening Kit (Fluorometric) (**Cat. No. K780-100**)
- DPP IV (Mouse) ELISA Kit (**Cat. No. K4770-100**)
- DPP IV Inhibitor, K 579 (**Cat # 1963-1, -5**)
- DPP IV Inhibitor, NVP DPP 728 (**Cat # 1964-1, -5**)
- DPP IV Inhibitor, P32/98 (**Cat # 2571-1, -5**)

FOR RESEARCH USE ONLY! Not to be used in humans.