

Product Name: Recombinant Human DPEP1 (C-6His)
Catalog #: PHH0535

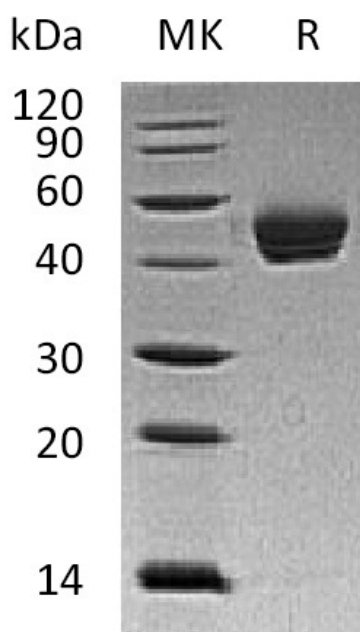


Summary

Name	Dipeptidase 1/DPEP1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Dipeptidase 1 is produced by our Mammalian expression system and the target gene encoding Asp17-Ser385 is expressed with a 6His tag at the C-terminus.
Accession #	P16444
Host	Human Cells
Species	Human
Predicted Molecular Mass	42.1 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

Dipeptidase 1; Dehydropeptidase-I; Microsomal Dipeptidase; Renal Dipeptidase; hRDP; DPEP1; MDP; RDP

Background

Dipeptidase 1 (DPEP1) is a kidney membrane enzyme that belongs to the peptidase M19 family. DPEP1 is a homodimer and is inhibited by L-penicillamine. DPEP1 hydrolyzes a variety of dipeptides and is implicated in renal metabolism of glutathione and its conjugates. DPEP1 is responsible for hydrolysis of the beta-lactam ring of antibiotics, such as penem and carbapenem. DPEP1 may play an important role in the regulation of leukotriene activity. DPEP1 expression in cancer is significantly higher than that in normal tissue. However, DPEP1 expression decreased with pathological differentiation, lymph-node and distant metastasis.

Note

For Research Use Only , Not for Diagnostic Use.