

Product datasheet for **TP726915**

DPEP1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Dipeptidyl-Peptidase 1/DPP1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp17-Ser385
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, 10% Glycerol, pH 7.4.
Note:	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.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	1800
UniProt ID:	P16444
Synonyms:	Dipeptidase 1; Dehydropeptidase-I; Microsomal Dipeptidase; Renal Dipeptidase; hRDP; DPEP1; MDP; RDP
Summary:	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.
Protein Families:	Protease



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