

Recombinant Human DPEP1, His-tagged

Cat. No. DPEP1-77H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Dipeptidase 1/DPEP1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Asp17-Ser385) of Human DPEP1 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	17-385 a.a.
Description	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.
AA Sequence	DFFRDEAERIMRDSPVIDGHNDLPWQLLDMFNNRLQDERANLTTLAGHTNIPKLRA GFVGGQFW SVYTPCDTQNKDAVRRTLEQMDVVHRMCRMYPETFLYVTSSAGIRQ AFREGKVASLIGVEGGHSI DSSLGVLRLALYQLGMRYLTLTHSCNTPWADNWLVDTG DSEPQSQGLSPFGQRVVKELNRLGVLID LAHVSVATMKATLQLSRAPVIFSHSSAYS VCASRRNVPDDVLRVLVKQTDLSLVMVNFYNNYISCTN KANLSQVADHLDHIKEVAGA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RAVGFGGDFDGVPRVPEGLEDVSKYPDLIAELLRRNWTEAEVKGA LADNLLRVFEA
VEQASNLTQAPEEEPIPLDQLGGSCRTHYGYSSVDHHHHHH

Endotoxin

Less than 0.1 ng/μg (1 IEU/μg).

Purity

Greater than 95% as determined by reducing SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA