

32-7664: Recombinant Human Dipeptidyl-Peptidase 1/DPP1 (C-6His)

Gene : DPEP1
Gene ID : 1800
Uniprot ID : P16444

Description

Source: Human Cells.
MW :42.1kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : 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.
Amino Acid : DFFRDEAERIMRDSPVIDGHNDLPWQLLDMFNNRLQDERANLTLAGTHTNIPKLRAGFVGGQFWSVYTPCD
TQNKDAVRRRTLEQMDVVHRMCRMYPETFLYVTSSAGIRQAFREGKVASLIGVEGGHSIDSSLGLVRALYQLGM
RYLTLTHSCNTPWADNWLVDTGSEPSQGLSPFGQRVVKELNRLGVLIDLAHVS VATMKATLQLSRAPVIFS
HSSAYSVCASRRNVPDDVLRLVKQTDLSLMVNFYNNYISCTNKANLSQVADHLDHIKEVAGARAVGFGGDFD
GVPRVPEGLEDVSKYPDLIAELLRRNWTEAEVKGALADNLLRVFEAVEQASNLTAPEEEPIPLDQLGGSCRTH
YGYSSVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.