

Product Data Sheet

Recombinant Human DPEP1 Protein

Catalog #	Source	Reactivity	Applications
CRP1449	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human DPEP1 Protein is produced by our mammalian expression system and the target gene encoding Asp17-Ser385 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	DPEP1		
Alternative Names	MDP; RDP; Dipeptidase 1; Dehydropeptidase-I; Microsomal dipeptidase; Renal dipeptidase; hRDP		
Entrez Gene	1800 (Human)		
SwissProt	P16444 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	DFFRDEAERI MRDSPVIDGH NDLPWQLLDM FNNRLQDERA NLTTLAGTHT NIPKL RAGFV GGQFWSVYTP CDTQNKDAVR RTLEQMDVVH RMCRMYPETF LYVTSSAGIR QAFREGKVAS LIGVEGGHSI DSSLGVLRL YQLGMRYLTL THSCNTPWAD NWLVDTGDSE PQSQGLSPFG QRVVKELNRL GVLIDLAHVS VATMKATLQL SRAPVIFSHS SAYSVCASRR NVPDDVLRLLV KQTDSLVMVN FYNNYISCTN KANLSQVADH LDHIKEVAGA RAVGFGGDFD GVPRVPEGLE DVSKYPDLIA ELLRRNWTEA EVKGALADNL LRVFEAVEQA SNLTQAPEEE PIPLDQLGGS CRTHYGYSSV DHHHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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