

Dipeptidyl-Peptidase 1/DPP1 Recombinant Protein | DPP1 recombinant protein

Recombinant Human Dipeptidyl-Peptidase 1/DPP1 Protein (C-6His)

CATALOG #
AAA174015

HOST
HEK293 cells

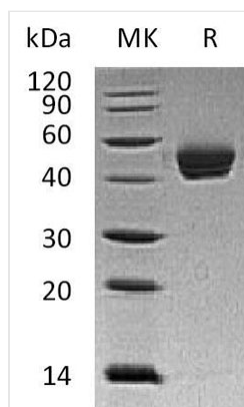
PRODUCT SYNONYMS

Dipeptidyl-Peptidase 1/DPP1; Recombinant Human Dipeptidyl-Peptidase 1/DPP1 Protein (C-6His); Dipeptidase 1; Dehydropeptidase-I; Microsomal Dipeptidase; Renal Dipeptidase; hRDP; DPEP1; MDP; RDP; DPP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2 um filtered solution of PBS; 10% glycerol , pH 7.4
Concentration	1.36 mg/ml (varies by lot)
Sequence Positions	Asp17-Ser385
Sequence Length	411
Species	Human
Endotoxin	<1.0 EU per ug as determined by LAL test.
Tag	C-His
Preparation and Storage	Store at <-20 degree C, stable for 6 months. Please minimize freeze-thaw cycles. Upon receipt; store it immediately at <-20 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for DPP1 recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189458885
NCBI GeneID	1800
NCBI Accession #	NP_001121613.1
NCBI GenBank Nucleotide #	NM_001128141.2
UniProt Accession #	P16444; Q96AK2; D3DX80
Molecular Weight	Molecular Mass: 42.1 kDa Actual Protein Molecular Mass: 41 kDa
NCBI Official Full Name	dipeptidase 1
NCBI Official Synonym Full Names	dipeptidase 1
NCBI Official Symbol	DPEP1
NCBI Official Synonym Symbols	MDP; RDP; MBD1
NCBI Protein Information	dipeptidase 1
UniProt Protein Name	Dipeptidase 1
UniProt Gene Name	DPEP1
UniProt Synonym Gene Names	MDP; RDP; hRDP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.