

Recombinant Human DPEP2, GST-tagged

Cat. No. DPEP2-12137H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DPEP2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	32-379a.a.
Description	DPEP2 belongs to the membrane-bound dipeptidase (EC 3.4.13.19) family. These enzymes hydrolyze a variety of dipeptides, including leukotriene D4, the beta-lactam ring of some antibiotics, and cystinyl-bis-glycine (cys-bis-gly) formed during glutathione degradation (Habib et al., 2003 [PubMed 12738806]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4, 17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	DPEP2 dipeptidase 2 [Homo sapiens]
Official Symbol	DPEP2

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Synonyms	DPEP2; dipeptidase 2; MBD2;
Gene ID	64174
mRNA Refseq	NM_022355
Protein Refseq	NP_071750
MIM	609925
UniProt ID	Q9H4A9
Chromosome Location	16q22.1
Pathway	Leukotriene synthesis, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Prostanoid metabolism, organism-specific biosystem; leukotriene biosynthesis, organism-specific biosystem; leukotriene biosynthesis, conserved biosystem;
Function	dipeptidase activity; dipeptidyl-peptidase activity; metal ion binding; metalloexopeptidase activity; peptidase activity;