

Recombinant Human Dipeptidyl-Peptidase 3, GST-tagged

Cat. No. DPP3-515H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DPP3 (full length) was expressed in a <i>Baculovirus infected Sf9</i> cell expression system with N-terminal GST tag. MW=109 kDa.
Species	Human
Source	Sf9 Cells
Description	Dipeptidyl-peptidase 3 is an enzyme that in humans is encoded by the DPP3 gene. This gene encodes a protein that is a member of the S9B family in clan SC of the serine proteases. This cytoplasmic protein binds a single zinc ion with its zinc-binding motif (HELLGH) and has post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. Increased activity of this protein is associated with endometrial and ovarian cancers. Alternate transcriptional splice variants have been characterized.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, and 3 mM DTT.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Purity	> 70%.
Stability	>6 months at -80°C.
Full Length	Full L.

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GENE INFORMATION

Gene Name	DPP3 dipeptidyl-peptidase 3 [Homo sapiens]
Synonyms	dipeptidyl-peptidase 3; DPPIII; FLJ11387; FLJ22331; DPP3; dipeptidyl peptidase III; dipeptidylpeptidase 3; dipeptidylpeptidase III; dipeptidyl arylamidase III; dipeptidyl aminopeptidase III; EC 3.4.14.4; DPP III; Dipeptidyl aminopeptidase III; Dipeptidyl arylamidase III; Dipeptidyl-peptidase III
Gene ID	10072
mRNA Refseq	NM_005700
Protein Refseq	NP_005691
MIM	606818
UniProt ID	Q9NY33
Chromosome Location	11q12-q13.1
Function	aminopeptidase activity; dipeptidyl-peptidase activity; metal ion binding; metallopeptidase activity; peptidase activity; zinc ion binding

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