

Recombinant Human DPP10, GST-tagged

Cat. No. DPP10-12145H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DPP10 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	649-796a.a.
Description	This gene encodes a single-pass type II membrane protein that is a member of the S9B family in clan SC of the serine proteases. This protein has no detectable protease activity, most likely due to the absence of the conserved serine residue normally present in the catalytic domain of serine proteases. However, it does bind specific voltage-gated potassium channels and alters their expression and biophysical properties. Mutations in this gene have been associated with asthma. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	DPP10 dipeptidyl-peptidase 10 (non-functional) [Homo sapiens]
Official Symbol	DPP10
Synonyms	DPP10; dipeptidyl-peptidase 10 (non-functional); dipeptidyl peptidase 10 , dipeptidylpeptidase 10; inactive dipeptidyl peptidase 10; DPRP3; DPP X; DPRP-3; dipeptidyl peptidase X; dipeptidyl peptidase 10; dipeptidyl peptidase like protein 2; dipeptidyl peptidase-like protein 2; dipeptidyl peptidase IV-related protein 3; DPL2; DPPY;
Gene ID	57628
mRNA Refseq	NM_001004360
Protein Refseq	NP_001004360
MIM	608209
UniProt ID	Q8N608
Chromosome Location	2q14.1
Function	NOT dipeptidyl-peptidase activity; serine-type peptidase activity;

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