

Recombinant Human DPP10 Protein, GST-tagged

Cat. No. DPP10-2839H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DPP10 full-length ORF (AAH30832.1, 1 a.a. - 796 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	117.3 kDa
AA Sequence	MNQTASVSHHIKCQPSKTIKELGSNSPPQRNWKGIAIALLVVCSLITMSVILLTPDE LTNSSETRLSLEDLFRKDFVLHDPEARWINDTDVVYKSENGHVIKLNIENTNATLLLEN TTFVTFKASRHSVSPDLKYVLLAYDVKQIFHYSYTASYVIYNIHTREVVWELNPPEVED SVLQYAAWGVQGQQLIYIFENNIYYQPDIKSSSLRLTSSGKEEIIIFNGIADWLYEEELL HSHIAHWWSPDGERLAFLMINDSLVPTMVIPRFTGALYPKGKQYPYPKAGQMNPTIK LYVVNLYGPTHLELMPPDSFKSREYYITMVKWVSNTKTVVRWLNRAQNISILTVCE

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TTTGACSKKYEMTSDTWLSQQNEEPVFSRDGSKFFMTVPVKQGGRGEFHFIAMFLI
QSKSEQITVRHLTSGNWEVIKILAYDETTQKIYFLSTESSPRGRQLYSASTEGLLNRQ
CISCNFMKEQCTYFDASFSPMNQHLLFCEGPRVPVVS LHSTDNPAKYFILESNSML
KEAILKKKIGKPEIKILHIDDYELPLQLSLPKDFMDRNQYALLIMDEEPGGQLVTDKFH
IDWDSVLIDMDNVIVARFDGRGSGFQGLKILQEIHRRLG SVEVKDQITAVKFLKLPIYI
DSKRLSIFGKGYGGYIASMILKSDEKLFCG SVVAPITDLKLYASAFSERYLGMP SKE
ESTYQAASVLHNVHGLKEENILIIHGTADTKVHFQHS AELIKHLIKAGVNYTMQVYPDE
GHNVSEKSKYHLYSTILKFFSDCLKEEISVLPQEPEEDE

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DPP10 dipeptidyl-peptidase 10 (non-functional) [Homo sapiens]

Official Symbol

DPP10

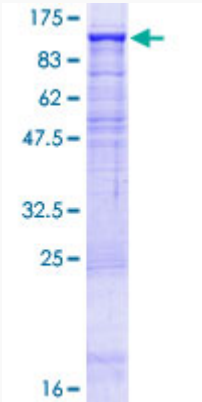
Synonyms

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;

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Gene ID	57628
mRNA Refseq	NM_001004360
Protein Refseq	NP_001004360
MIM	608209
UniProt ID	Q8N608
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.