

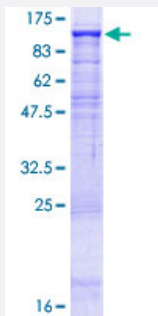
Full-Length

DPP10 (Human) Recombinant Protein (P01)

Catalog # H00057628-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DPP10 full-length ORF (AAH30832.1, 1 a.a. - 796 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNQTASVSHHIKCQPSKTIKELGSNSPPQRNWKGIAIALLVVCSLITMSVILLTPDEL TNSSETRL
SLEDLFRKDFVLHDPEARWINDTDVVKSENGHVIKLNIE TNATTLLENTTFVTFKASRHSVSPDL
KYVLLAYDVKQIFHYSYASYVIYNIHTREVVWELNPPEVEDSVLQYAAWGVQGGQLMIFENNIYYQP
DIKSSSLRLTSSGKEEIIFNIGIADWL YEEELLHSHIAHWWSPDGERLAFLMINDSLVPTMVIPRFTGA
LYPKGKQYPYPKAGQMNP TIKLYV VNL YGPTHLELMPPDSFKSREYYTMVKWVSNTKTVVRWLN
RAQNISILTV CETTTGACSKKYEMTS DTWLSQQNEEPVFSRDGSKFFMTVPVKQGGRG EFHHIAM
FLIQSKSEQITVRHLTSGNWEVIKILAYDETTQKIYFLSTESSPRGRQLYSASTEGLLNRQCISCNFM
KEQCTYFDASFSPMNQHFLLFCEGPRVPV VSLHSTDNP AKYFILESNSMLKEAILKKKIGKPEIKIL
HIDDYELPLQLSLPKDFMDRNQYALLIMDEEPGGQLVTDKFHIDWDSVLIDMDNVIVARFDGRGS
GFQGLKILQEIHRRLG SVEVKDQITAVKFLKLPYIDSKRLSIFGKGYGGYAS MILKSDEKLFKCGSV
VAPITDLKLYASAFSERYLGMP SKEESTYQAASVLHNVHGLKEENILIHGTADTKVHFQHS AELIKH
LIKAGVNYTMQVYPDEGHN VSEKSKYHLYSTILKFFSDCLKEEISVLPQEPEEDE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

117.3

Interspecies Antigen Sequence

Mouse (89); Rat (89)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DPP10

Entrez GeneID	57628
GeneBank Accession#	BC030832.1
Protein Accession#	AAH30832.1
Gene Name	DPP10
Gene Alias	DPL2, DPPY, DPRP3
Gene Description	dipeptidyl-peptidase 10
Omim ID	608209
Gene Ontology	Hyperlink

Gene Summary	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]
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Other Designations

dipeptidyl peptidase 10|dipeptidyl peptidase IV-related protein 3|dipeptidyl peptidase X|dipeptidyl peptidase like protein 2

Disease

- [Asthma](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Eczema](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Mental Retardation](#)
- [Obesity](#)
- [Psychotic Disorders](#)
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- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)