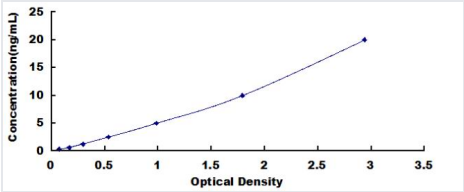
Dipeptidyl Peptidase 10 (DPP10) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Dipeptidyl Peptidase 10 (DPP10), ELISA Kit
Full Product Name	Human Dipeptidyl Peptidase 10 (DPP10) ELISA Kit
Product Gene Name	DPP10 elisa kit
Product Synonym Names	DPL2; DPPY; DPRP3; Dipeptidylpeptidase 10(Non-Functional); Dipeptidyl peptidase IV-related protein 3; Dipeptidyl peptidase X; Dipeptidyl peptidase-like protein 2
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	85,480 Da
OMIM	600807
3D Structure	ModBase 3D Structure for Q8N608
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for DPP10 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DPP10. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DPP10. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DPP10, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of DPP10 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of DPP10 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DPP10 purchase	MBS458909 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Dipeptidyl Peptidase 10 (DPP10) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing DPP10. The ELISA analytical biochemical technique of the MBS458909 kit is based on DPP10 antibody-DPP10 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DPP10 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DPP10. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of DPP10 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPP10. It may not necessarily be applicable to this product.

NCBI GI #	85787627
NCBI GeneID	57628
NCBI Accession #	NP_001004360.2
UniProt Primary Accession #	Q8N608
UniProt Secondary Accession #	Q0GLB8; Q53QT3; Q53S86; Q53SL8; Q53SS4; Q6TTV4; Q86YR9; Q9P236; A8K1Q2; J3KPP2; J3KQ46
UniProt Related Accession #	Q8N608
GenBank Nucleotide #	NM_001004360.3
NCBI Official Full Name	inactive dipeptidyl peptidase 10 isoform short
NCBI Official Synonym Full Names	dipeptidyl peptidase like 10
NCBI Official Symbol	DPP10
NCBI Official Synonym Symbols	DPL2; DPPY; DPRP3; DPRP-3
UniProt Protein Name	Inactive dipeptidyl peptidase 10
UniProt Synonym Protein Names	Dipeptidyl peptidase IV-related protein 3; DPRP-3; Dipeptidyl peptidase X; DPP X; Dipeptidyl peptidase-like protein 2; DPL2
Protein Family	Inactive dipeptidyl peptidase
UniProt Gene Name	DPP10
UniProt Synonym Gene Names	DPRP3; KIAA1492; DPRP-3; DPP X; DPL2
NCBI Protein Information	inactive dipeptidyl peptidase 10
NCBI Summary for DPP10	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]
UniProt Comments for DPP10	Promotes cell surface expression of the potassium channel KCND2 (PubMed:15454437). Modulates the activity and gating characteristics of the potassium channel KCND2 (PubMed:15454437). Has no dipeptidyl aminopeptidase activity (PubMed:12662155).
Research Articles on DPP10	**1.** The DPP10 duplication is likely a benign CNV polymorphism enriched in Southern Chinese with a population frequency of ~1%.
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