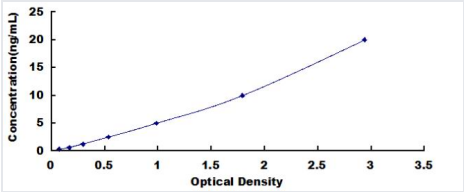
Dipeptidyl Peptidase 8 (DPP8) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Dipeptidyl Peptidase 8 (DPP8), ELISA Kit
Full Product Name	Human Dipeptidyl Peptidase 8 (DPP8) ELISA Kit
Product Gene Name	DPP8 elisa kit
Product Synonym Names	DP8; DPRP1; MSTP141; MSTP097; MSTP135; dipeptidylpeptidase 8; Dipeptidyl Peptidase IV-Related Protein-1; Prolyl Dipeptidase DPP VIII
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue Homogenates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.117ng/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	83,398 Da
OMIM	606819
3D Structure	ModBase 3D Structure for Q6V1X1
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 DPP8 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DPP8. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DPP8. 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 DPP8, 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 DPP8 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of DPP8 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 DPP8 purchase	MBS458914 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Dipeptidyl Peptidase 8 (DPP8) 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 DPP8. The ELISA analytical biochemical technique of the MBS458914 kit is based on DPP8 antibody-DPP8 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DPP8 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DPP8. 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 DPP8 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPP8. It may not necessarily be applicable to this product.

NCBI GI #	1003701562
NCBI GeneID	54878
NCBI Accession #	NP_001307804.1
UniProt Primary Accession #	Q6V1X1
UniProt Secondary Accession #	Q7Z4C8; Q7Z4D3; Q7Z4E1; Q8IWG7; Q8NEM5; Q96JX1; Q9HBM2; Q9HBM3; Q9HBM4; Q9HBM5; Q9NXF4
UniProt Related Accession #	Q6V1X1
GenBank Nucleotide #	NM_001320875.1
NCBI Official Full Name	dipeptidyl peptidase 8 isoform 3
NCBI Official Synonym Full Names	dipeptidyl peptidase 8
NCBI Official Symbol	DPP8
NCBI Official Synonym Symbols	DP8; DPRP1; DPRP-1; MST097; MSTP097; MSTP135; MSTP141
UniProt Protein Name	Dipeptidyl peptidase 8
UniProt Synonym Protein Names	Dipeptidyl peptidase IV-related protein 1; DPRP-1; Dipeptidyl peptidase VIII; DPP VIII; Prolyl dipeptidase DPP8
Protein Family	Dipeptidyl peptidase
UniProt Gene Name	DPP8
UniProt Synonym Gene Names	DPRP1; DP8; DPRP-1; DPP VIII
NCBI Protein Information	dipeptidyl peptidase 8
NCBI Summary for DPP8	This gene encodes a member of the peptidase S9B family, a small family of dipeptidyl peptidases that are able to cleave peptide substrates at a prolyl bond. The encoded protein shares similarity with dipeptidyl peptidase IV in that it is ubiquitously expressed, and hydrolyzes the same substrates. These similarities suggest that, like dipeptidyl peptidase IV, this protein may play a role in T-cell activation and immune function. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
UniProt Comments for DPP8	Dipeptidyl peptidase that cleaves off N-terminal dipeptides from proteins having a Pro or Ala residue at position 2. May play a role in T-cell activation and immune function.
Research Articles on DPP8	**1.** The DPP8 expressing cell model system is a very useful and promising system for investigating the selectivity and associated toxicity of DPP4 inhibitors on DPP8.
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