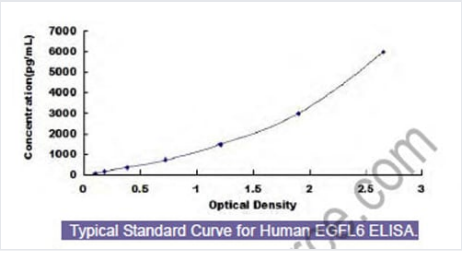
EGF Like Domain Protein, Multiple 6 (EGFL6) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	EGF Like Domain Protein, Multiple 6 (EGFL6), ELISA Kit
Full Product Name	Human EGF Like Domain Protein, Multiple 6 (EGFL6) ELISA Kit
Product Gene Name	EGFL6 elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Detection Range	93.75-6000pg/mL
Sensitivity	47.25pg/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of EGFL6. No significant cross-reactivity or interference between EGFL6 and analogues was observed.
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level EGFL6 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EGFL6 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Molecular Weight	64,023 Da
OMIM	AY358336 mRNA
3D Structure	ModBase 3D Structure for Q6UXI9
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for EGFL6 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EGFL6 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to EGFL6. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to EGFL6. 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 EGFL6, 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 EGFL6 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of EGFL6 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 EGFL6 purchase	MBS453042 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the EGF Like Domain Protein, Multiple 6 (EGFL6) 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 EGFL6. The ELISA analytical biochemical technique of the MBS453042 kit is based on EGFL6 antibody-EGFL6 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect EGFL6 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, EGFL6. 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 Standard Curve/Testing Data of EGFL6 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EGFL6. It may not necessarily be applicable to this product.

NCBI GI #	75709198
NCBI GeneID	255743
NCBI Accession #	NP_001028219.1
UniProt Primary Accession #	Q6UXI9
UniProt Secondary Accession #	A6NFT9; A8K1W4; B4DIT4; B4DYK3; B4E2H7; B4E3H2; D6RCA1; E9PCK8; E9PCQ1; E9PE64; E9PF04
UniProt Related Accession #	Q6UXI9
GenBank Nucleotide #	NM_001033047.2
NCBI Official Full Name	nephronectin isoform B
NCBI Official Synonym Full Names	nephronectin
NCBI Official Symbol	NPNT
NCBI Official Synonym Symbols	POEM; EGFL6L
UniProt Protein Name	Nephronectin
UniProt Synonym Protein Names	Preosteoblast EGF-like repeat protein with MAM domain; Protein EGFL6-like
Protein Family	Epidermal growth factor-like protein
UniProt Gene Name	NPNT
UniProt Synonym Gene Names	EGFL6L; POEM
NCBI Protein Information	nephronectin
UniProt Comments for EGFL6	Functional ligand of integrin alpha-8/beta-1 in kidney development. Regulates the expression of GDNF with integrin alpha-8/beta-1 which is essential for kidney development. May also play a role in the development and function of various tissues, regulating cell adhesion, spreading and survival through the binding of several integrins ().
Research Articles on EGFL6	**1.** The expression of nephronectin was sufficient to discriminate DN from other kidney diseases with mesangial matrix expansion and nodular lesions.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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