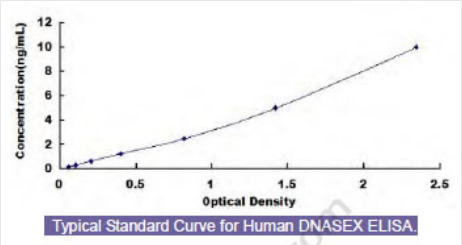
Deoxyribonuclease X (DNASEX) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Deoxyribonuclease X (DNASEX), ELISA Kit
Full Product Name	Human Deoxyribonuclease X (DNASEX) ELISA Kit
Product Gene Name	DNASEX elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue homogenates and other biological fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of DNASEX. No significant cross-reactivity or interference between DNASEX 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 DNASEX 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 DNASEX were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Molecular Weight	33,893 Da
OMIM	X90392 mRNA
3D Structure	ModBase 3D Structure for P49184
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for DNASEX elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DNASEX in human 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 DNASEX. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DNASEX. 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 DNASEX, 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 DNASEX in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of DNASEX 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 DNASEX purchase	MBS456055 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Deoxyribonuclease X (DNASEX) 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 DNASEX. The ELISA analytical biochemical technique of the MBS456055 kit is based on DNASEX antibody-DNASEX antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DNASEX antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DNASEX. 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 DNASEX elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	58430942
NCBI GeneID	1774
NCBI Accession #	NP_001009932.1
UniProt Primary Accession #	P49184
UniProt Secondary Accession #	Q5HY41; D3DWW7
UniProt Related Accession #	P49184
GenBank Nucleotide #	NM_001009932.2
NCBI Official Full Name	deoxyribonuclease-1-like 1
NCBI Official Synonym Full Names	deoxyribonuclease 1 like 1
NCBI Official Symbol	DNASE1L1
NCBI Official Synonym Symbols	XIB; G4.8; DNL1L; DNASEX; DNAS1L1
UniProt Protein Name	Deoxyribonuclease-1-like 1
UniProt Synonym Protein Names	DNase X; Deoxyribonuclease I-like 1; DNase I-like 1; Muscle-specific DNase I-like; XIB
UniProt Gene Name	DNASE1L1
UniProt Synonym Gene Names	DNAS1L1; DNL1L; DNase I-like 1
NCBI Protein Information	deoxyribonuclease-1-like 1
NCBI Summary for DNASEX	This gene encodes a deoxyribonuclease protein that shows high sequence similarity to DNase I. The encoded protein is localized to the endoplasmic reticulum and modified by N-linked glycosylation. Alternate transcriptional splice variants encoding the same protein have been observed. [provided by RefSeq, Jan 2015]
Research Articles on DNASEX	**1.** genotyping of all 21 nonsynonymous DNase 1L1 SNPs was performed in 16 populations representing 3 ethnic groups; 2 activity-abolishing and 4 activity-reducing SNPs were confirmed to be functional; may be plausible that a minor allele of 6 SNPs producing a loss-of-function or low-activity variant could serve as a risk factor for disease
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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