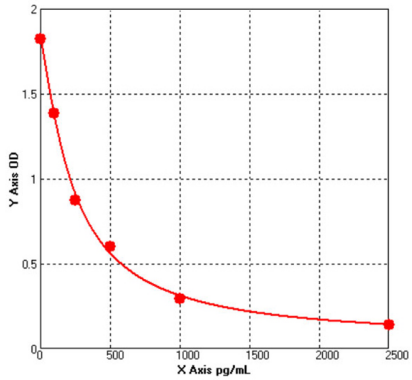
Cyclin F (CCNF) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cyclin F (CCNF), ELISA Kit
Full Product Name	Human Cyclin F (CCNF) ELISA Kit
Product Gene Name	CCNF elisa kit
Species Reactivity	Human
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of CCNF. No significant cross-reactivity or interference between CCNF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CCNF and all the analogues, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	87,640 Da
OMIM	600227
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Product Categories/Family for CCNF elisa kit	Cell Biology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CCNF elisa kit	Principle of the Assay: CCNF ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CCNF antibody and an CCNF-HRP conjugate. The assay sample and buffer are incubated together with CCNF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CCNF concentration since CCNF from samples and CCNF-HRP conjugate compete for the anti-CCNF antibody binding site. Since the number of sites is limited, as more sites are occupied by CCNF from the sample, fewer sites are left to bind CCNF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CCNF concentration in each sample is interpolated from this standard curve. Intended Uses: This CCNF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CCNF. This ELISA kit for research use only, not for therapeutic or test applications!
Other Notes	Small volumes of CCNF 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 CCNF purchase	MBS7249410 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cyclin F (CCNF) 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 CCNF. The ELISA analytical biochemical technique of the MBS7249410 kit is based on CCNF antibody-CCNF antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CCNF antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CCNF. 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 CCNF elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	576781
NCBI Accession #	AAB60342.1
UniProt Secondary Accession #	Q96EG9; B2R8H3
NCBI Official Full Name	cyclin F
UniProt Protein Name	Cyclin-F
UniProt Synonym Protein Names	F-box only protein 1
Protein Family	Cyclin
UniProt Gene Name	CCNF
UniProt Synonym Gene Names	FBX1; FBXO1
UniProt Entry Name	CCNF_HUMAN
UniProt Comments for CCNF	CCNF: Substrate recognition component of a SCF (SKP1-CUL1-F- box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of CP110 during G2 phase, thereby acting as an inhibitor of centrosome reduplication. Belongs to the cyclin family. Cyclin AB subfamily. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: 16p13.3 Cellular Component: centriole; SCF ubiquitin ligase complex; nucleus Molecular Function: protein binding Biological Process: mitosis; SCF-dependent proteasomal ubiquitin-dependent protein catabolic process; re-entry into mitotic cell cycle; cell division; protein ubiquitination; placenta development

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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