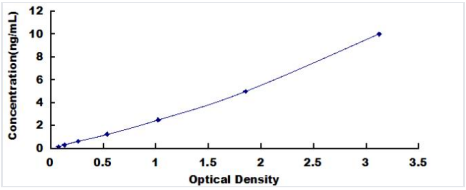
Corticotropin Releasing Hormone Binding (CRHBP) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Corticotropin Releasing Hormone Binding Protein (CRHBP), ELISA Kit
Full Product Name	Human Corticotropin Releasing Hormone Binding Protein (CRHBP) ELISA Kit
Product Gene Name	CRHBP elisa kit
Product Synonym Names	CRF-BP; CRFBP; Corticotropin-Releasing Factor-Binding Protein
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma or Other Biological Fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.052ng/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	36,144 Da
OMIM	122559
3D Structure	ModBase 3D Structure for P24387
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 CRHBP elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CRHBP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CRHBP. 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 CRHBP, 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 CRHBP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of CRHBP 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 CRHBP purchase	MBS458562 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Corticotropin Releasing Hormone Binding Protein (CRHBP) 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 CRHBP. The ELISA analytical biochemical technique of the MBS458562 kit is based on CRHBP antibody-CRHBP antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CRHBP antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CRHBP. 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 CRHBP elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	47080099
NCBI GeneID	1393
NCBI Accession #	NP_001873.2
UniProt Primary Accession #	P24387
UniProt Secondary Accession #	Q53F32; Q6FHT5
UniProt Related Accession #	P24387
GenBank Nucleotide #	NM_001882.3
NCBI Official Full Name	corticotropin-releasing factor-binding protein
NCBI Official Synonym Full Names	corticotropin releasing hormone binding protein
NCBI Official Symbol	CRHBP
NCBI Official Synonym Symbols	CRFBP; CRF-BP
UniProt Protein Name	Corticotropin-releasing factor-binding protein
UniProt Synonym Protein Names	Corticotropin-releasing hormone-binding protein; CRH-BP
Protein Family	Corticotropin-releasing factor-binding protein
UniProt Gene Name	CRHBP
UniProt Synonym Gene Names	CRFBP; CRF-BP; CRF-binding protein; CRH-BP
NCBI Protein Information	corticotropin-releasing factor-binding protein
NCBI Summary for CRHBP	Corticotropin-releasing hormone is a potent stimulator of synthesis and secretion of preopiomelanocortin-derived peptides. Although CRH concentrations in the human peripheral circulation are normally low, they increase throughout pregnancy and fall rapidly after parturition. Maternal plasma CRH probably originates from the placenta. Human plasma contains a CRH-binding protein which inactivates CRH and which may prevent inappropriate pituitary-adrenal stimulation in pregnancy. [provided by RefSeq, Jul 2008]
UniProt Comments for CRHBP	Binds CRF and inactivates it. May prevent inappropriate pituitary-adrenal stimulation in pregnancy.
Research Articles on CRHBP	**1.** A measure of stressful life events was significantly predictive of alcohol use/misuse. In addition, this association was significantly dependent upon the number of putative risk variants at rs1715749, a single-nucleotide polymorphism (SNP) in CRHBP.
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