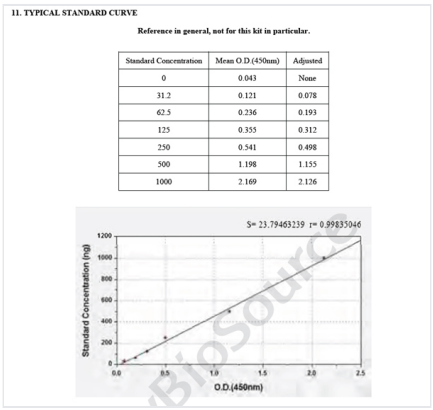
Corticotropin Releasing Hormone (CRH) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Corticotropin Releasing Hormone (CRH), ELISA Kit
Full Product Name	Human Corticotropin Releasing Hormone ELISA Kit
Product Gene Name	CRH elisa kit
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Detection Range	0.625pg/ml-20pg/ml
Sensitivity	0.1pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C
Inter-assay Precision	Inter-assay CV (%) is less than 15%. [CV(%) = SD/mean ×100]. All CV% should be compared by concentration, not compared by OD values.
Intra-assay Precision	Intra-assay CV (%) is less than 15%.
Molecular Weight	21,422 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (67088612..67090846, complement). Location: 8q13
OMIM	122560
3D Structure	ModBase 3D Structure for P06850
Related Product Information for CRH elisa kit	Background/Introduction: This Quantitative Sandwich ELISA kit is for lab reagent/research use only, not for drug, household, therapeutic or test applications! This kit is intended to be used to determine the level of CRH (hereafter termed "analyte") in undiluted original Human serum, plasma or tissue homogenates samples. For other sample types please contact tech support to determine compatibility with this assay. This kit is not suitable for assaying non-biological sources of substances.
Other Notes	Small volumes of CRH 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 CRH purchase	MBS023886 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Corticotropin Releasing Hormone (CRH) 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 CRH. The ELISA analytical biochemical technique of the MBS023886 kit is based on CRH antibody-CRH antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CRH antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CRH. 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 CRH elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	119607303
NCBI GeneID	1392
NCBI Accession #	EAW86897.1
UniProt Primary Accession #	P06850
UniProt Secondary Accession #	B3KQS4
UniProt Related Accession #	P06850
NCBI Official Full Name	corticotropin releasing hormone
NCBI Official Synonym Full Names	corticotropin releasing hormone
NCBI Official Symbol	CRH
NCBI Official Synonym Symbols	CRF
UniProt Protein Name	Corticoliberin
UniProt Synonym Protein Names	Corticotropin-releasing factor; CRF; Corticotropin-releasing hormone
Protein Family	Corticoliberin
UniProt Gene Name	CRH
UniProt Synonym Gene Names	CRF
UniProt Entry Name	CRF_HUMAN
NCBI Protein Information	corticoliberin; corticotropin-releasing factor
NCBI Summary for CRH	Corticotropin-releasing hormone is secreted by the paraventricular nucleus (PVN) of the hypothalamus in response to stress. Marked reduction in this protein has been observed in association with Alzheimer disease and autosomal recessive hypothalamic corticotropin deficiency has multiple and potentially fatal metabolic consequences including hypoglycemia and hepatitis. In addition to production in the hypothalamus, this protein is also synthesized in peripheral tissues, such as T lymphocytes and is highly expressed in the placenta. In the placenta it is a marker that determines the length of gestation and the timing of parturition and delivery. A rapid increase in circulating levels of the hormone occurs at the onset of parturition, suggesting that, in addition to its metabolic functions, this protein may act as a trigger for parturition. [provided by RefSeq, Apr 2010]

UniProt Comments for CRH	CRH: This hormone from hypothalamus regulates the release of corticotropin from pituitary gland. Belongs to the sauvagine/corticotropin-releasing factor/urotensin I family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 8q13 Cellular Component: extracellular space; cytoplasm; extracellular region; perikaryon Molecular Function: corticotropin-releasing hormone receptor 1 binding; neuropeptide hormone activity; protein binding; hormone activity; corticotropin-releasing hormone receptor 2 binding; receptor binding; adrenocorticotropin-releasing hormone activity Biological Process: synaptic transmission, dopaminergic; negative regulation of circadian sleep/wake cycle, REM sleep; diterpenoid metabolic process; positive regulation of cortisol secretion; hypothalamus development; induction of apoptosis by hormones; response to pain; female pregnancy; signal transduction; positive regulation of adrenocorticotropic hormone secretion; negative regulation of luteinizing hormone secretion; synaptic transmission; learning and/or memory; positive regulation of cAMP biosynthetic process; positive regulation of cell proliferation; feeding behavior; parturition; negative regulation of blood pressure; response to electrical stimulus; inflammatory response; associative learning; response to corticosterone stimulus; response to drug; adrenal gland development; response to ether; response to ethanol; long-term memory; ion homeostasis; response to estrogen stimulus; regulation of serotonin secretion; negative regulation of epinephrine secretion; positive regulation of protein amino acid phosphorylation; glucocorticoid biosynthetic process; lung development Disease: Acth Deficiency, Isolated
Research Articles on CRH	**1.** the age-associated changes in the expression of CRH system components reflect an exaggerated stress response reaction, putting the aged skin continuously in a stress-like situation.
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