

AR31126PU-S**Human, Rat Corticoliberin****Alternate names:**

CRF, CRH, Corticotropin-Releasing Factor, Corticotropin-Releasing Hormone

Quantity:

0.1 mg

Background:

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].

CRF is a hypothalamic peptide that releases ACTH and endorphin from the anterior pituitary. It is also a neurotransmitter in the central nervous system, and is involved in autonomic and endocrine responses to stress.

Uniprot ID:[P06850](#)**NCBI:**[NP_000747.1](#)**GeneID:**[1392](#)**Species:**

Human, Rat

Format:**State:** Purified peptide**Purity:** >95% by HPLC**Description:**

Human, Rat Corticotropin Releasing Factor.

Formula: C₂₀₈H₃₄₄N₆₀O₆₃S₂**AA Sequence:**SEPPPISLDLTFHLLREVLEMARAEQLAQQAHSNRKLMEII-NH₂ (1-letter code).

Ser-Glu-Glu-Pro-Pro-Ile-Ser-Leu-Asp-Leu-Thr-Phe-His-Leu-Leu-Arg-Glu-Val-Leu-G

lu-Met-Ala-Arg-Ala-Glu-Gln-Leu-Ala-Gln-Gln-Ala-His-Ser-Asn-Arg-Lys-Leu-Met-Gl

u-Ile-Ile-NH₂ (3-letter code).**Molecular weight:** 4757.43 Da**Storage:**

Upon receipt, store undiluted (in aliquots) at -20°C.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.