

OriGene Technologies, Inc.

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Product datasheet for TP760258

Corticotropin Releasing Factor (CRH) (NM_000756) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human corticotropin releasing hormone (CRH), full length, with N- terminal HIS tag, expressed in E.Coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length CRH
Tag:	N-His
Predicted MW:	23.7 kDa
Concentration:	>0.05 μ g/ μ L as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience
	some loss of protein during the filtration process.
Storage:	Store at -80°C.
Storage: Stability:	
-	Store at -80°C. Stable for 12 months from the date of receipt of the product under proper storage and
Stability:	Store at -80°C. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Stability: RefSeq:	Store at -80°C. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. <u>NP_000747</u>
Stability: RefSeq: Locus ID:	Store at -80°C. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. <u>NP_000747</u> 1392
Stability: RefSeq: Locus ID: UniProt ID:	Store at -80°C. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. <u>NP 000747</u> 1392 <u>P06850</u>
Stability: RefSeq: Locus ID: UniProt ID: RefSeq Size:	Store at -80°C. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. <u>NP 000747</u> 1392 <u>P06850</u> 1434
Stability: RefSeq: Locus ID: UniProt ID: RefSeq Size: Cytogenetics:	Store at -80°C. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. <u>NP 000747</u> 1392 <u>P06850</u> 1434 8q13.1



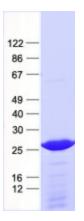
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GRIGENE Corticotropin Releasing Factor (CRH) (NM_000756) Human Recombinant Protein – TP760258

Summary: This gene encodes a member of the corticotropin-releasing factor family. The encoded preproprotein is proteolytically processed to generate the mature neuropeptide hormone. In response to stress, this hormone is secreted by the paraventricular nucleus (PVN) of the hypothalamus, binds to corticotropin releasing hormone receptors and stimulates the release of adrenocorticotropic hormone from the pituitary gland. Marked reduction in this protein has been observed in association with Alzheimer's disease. 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, Nov 2015]

Protein Families:Druggable Genome, Secreted ProteinProtein Pathways:Long-term depression

Product images:



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