

For Research Use Only

Recombinant Human CRH/CRF protein (rFc Tag)



Catalog Number: Eg4974

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human CRH protein Leu25-Ile194 (Accession# P06850) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

1392

Accession:

P06850

Predicted Molecular Mass:

44.8 kDa

SDS-PAGE:

43-50 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in 0.5M arg, 30mM Tris, pH8.0. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CRH, also called CRF or corticoliberin, is a peptide hormone and neurotransmitter involved in the stress response. Marked reduction in this protein has been observed in association with Alzheimer disease. 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.

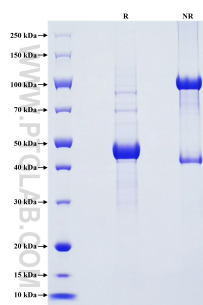
References

1. Makrigiannakis A, et al. (2018) Curr Mol Pharmacol. 11(1):81-87.
2. Zhu C, Li S. (2024) Front Endocrinol (Lausanne). 15:1363748.
3. Bamberger CM, Bamberger AM. (2000) Ann N Y Acad Sci. 917:290-296.
4. Rassouli O, et al. (2018) Curr Mol Pharmacol. 11(1):72-80.

Synonyms

CRH, Corticoliberin, Corticotropin releasing factor, Corticotropin-releasing factor, Corticotropin-releasing hormone

Selected Validation Data



Purity of Recombinant Human CRH was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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