

PRODUCT INFORMATION

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| Target | CRFR2 |
| Synonyms | CRF-RB, CRF2, CRFR2, HM-CRF |
| Description | Human CRFR2 full length protein-synthetic nanodisc |
| Delivery | 6~8weeks |
| Uniprot ID | Q13324 |
| Expression Host | HEK293 |
| Protein Families | Transmembrane, Druggable Genome, |
| Protein Pathways | GPCRDB Class B Secretin-like, Apoptosis, Neurotrophin & Receptors, |
| Molecular Weight | The human full length CRFR2 protein has a MW of 47.7kDa |
| Formulation & Reconstitution | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with pH lower than 6.5 in subsequent experiments. |
| Storage & Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | The protein encoded by this gene belongs to the G-protein coupled receptor 2 family, and the subfamily of corticotropin releasing hormone receptor. This receptor shows high affinity for corticotropin releasing hormone (CRH), and also binds CRH-related peptides such as urocortin. CRH is synthesized in the hypothalamus, and plays an important role in coordinating the endocrine, autonomic, and behavioral responses to stress and immune challenge. Studies in mice suggest that this receptor maybe involved in mediating cardiovascular homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jan 2011] |
| Usage | Research use only |

