

HDFP955

Product Information

Product SKU:	HDFP955	Expression Host:	HEK293	Size:	10µg
Target:	CRFR2	Tag:	C-Flag&Strep Tag		

Additional Information

Conjugate:	Unconjugated	Uniprot ID:	Q13324
Molecular Weight:	The human full length CRFR2-Strep protein has a MW of 47.7 kDa		

Protein Information

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]

Synonyms: CRF-RB, CRF2, CRFR2, HM-CRF

Protein Description: Human CRFR2-Strep full length protein-synthetic nanodisc

Formulation: 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 a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.

Protein Pathways: GPCRDB Class B Secretin-like, Apoptosis, Neurotrophin & Receptors.

Protein Families: Transmembrane, Druggable Genome.

Usage: Research use only

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.