Datasheet for ABIN7596645

HTR2C Protein (DYKDDDDK Tag,Strep Tag)

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Overview

Quantity:	10 µg
Target:	HTR2C
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This HTR2C protein is labelled with DYKDDDDK Tag,Strep Tag.
Application:	ELISA, Immunogen (Imm), Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human 5HT2C-Strep full length protein-synthetic nanodisc

Target Details

Target:	HTR2C
Alternative Name:	5HT2C (HTR2C Products)
Background:	5-HT1C, 5-HT2C, 5-HTR2C, 5HTR2C, HTR1C The protein responds to signaling through the neurotransmitter serotonin. The mRNA of this gene is subject to multiple RNA editing events, where adenosine residues encoded by the genome are converted to inosines. RNA editing is predicted to alter the structure of the second intracellular loop, thereby generating alternate protein forms with decreased ability to interact with G proteins. Abnormalities in RNA editing of this gene have been detected in victims of suicide that suffer from depression. In addition, naturally-occuring variation in the promoter and

Target Details

	5' non-coding and coding regions of this gene may show statistically-significant association with mental illness and behavioral disorders.
Molecular Weight:	The human full length 5HT2C-Strep protein has a MW of 51.8 kDa
UniProt:	P28335
Pathways:	Inositol Metabolic Process, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour

Application Details

Comment:	Advantages: • Highly purified membrane proteins • High solubility in aqueous solutions • High stability • Proteins are in a native membrane environment and remain biologically active • No detergent and can be used for cell-based assays • No MSP backbone proteins • Mammalian cell expression system ensures post- translational modifications
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months