

Datasheet for ABIN7597122

HCN2 Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	HCN2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This HCN2 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Cryogenic electron microscopy (cryo-EM), Immunogen (Imm), Phage Display (PhD), Surface Plasmon Resonance (SPR)

Product Details

Purpose:	Human HCN2-Strep full length protein-synthetic nanodisc
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Target Details

Target:	HCN2
Alternative Name:	HCN2 (HCN2 Products)
Background:	BCNG-2, BCNG2, HAC-1 The protein encoded by this gene is a hyperpolarization-activated cation channel involved in the generation of native pacemaker activity in the heart and in the brain. The encoded protein is activated by cAMP and can produce a fast, large current. Defects in this gene were noted as a possible cause of some forms of epilepsy. [provided by RefSeq, Jan 2017]
Molecular Weight:	The human full length HCN2-Strep protein has a MW of 97 kDa

Target Details

UniProt: [Q9UL51](#)

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
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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