Human KCNH2-Strep full length protein-synthetic nanodisc

Cat. No. FLP120501

PRODUCT INFORMATION

Tag	**Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806** C-Flag&Strep Tag
Target	KCNH2
Synonyms	ERG-1; ERG1; H-ERG; HERG; HERG1; Kv11.1; LQT2; SQT1
Description	Human KCNH2-Strep full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	Q12809
Expression Host	HEK293
Protein Families	Druggable Genome, Ion Channels: Potassium, Transcription Factors, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length KCNH2-Strep protein has a MW of 126.7 kDa
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
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	A voltage-activated potassium channel belonging to the eag family. It shares sequence similarity with the Drosophila ether-a-go-go (eag) gene. Mutations in this gene can cause long QT syndrome type 2 (LQT2).
Usage	Research use only
Conjugate	Unconjugated

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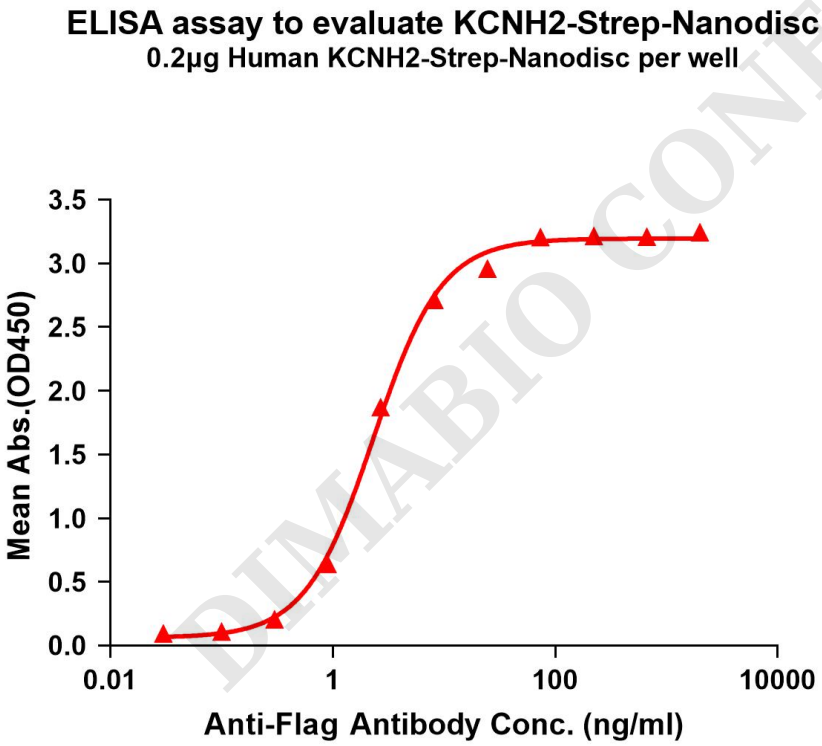


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag KCNH2-Strep-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with KCNH2-Strep-nanodisc is 2.328ng/ml.

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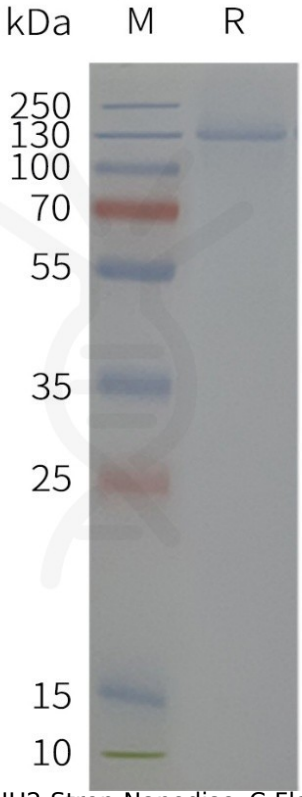


Figure 2. Human KCNH2-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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