

# Recombinant Full Length Rat Potassium/Sodium Hyperpolarization-Activated Cyclic Nucleotide-Gated Channel 3(Hcn3) Protein, His-Tagged

Cat. No. RFL23420RF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length Rat Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3(Hcn3) Protein (Q9JKA8) (1-780aa), fused to N-terminal His tag, was expressed in E. coli.

**Species** Rat

**Source** E.coli

**ProteinLength** Full Length (1-780)

**Form** Lyophilized powder

**AA Sequence**

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MEEEARPAVGDGEAATPARETPPAAPAQARAASGGVPESAPEPKRRQLGTLLQPT
V NKFS LRVFGSHKAVEIEQERVKSAGAWIIHPYSDFRFYWDLIMLLLMVGNLIVLPVG
ITFFKEE NSPPWIVFNVLSDTFFLLDLVLNFRGTGIVVEEGAEILLAPRAIRTRYLRTWFL
VDLISSI PVDYIFLVVELEPRLD AEVYKTARALRIVRFTKILSLLRLLRSLRIRYMHQW
EEIFHMT YDLASAVVRIFNLIGMMLLLCHWDGCLQFLVPMLQDFPSPDCWVSMNRMV
NHSWGRQYSHA LFKAMSHMLCIGYGQQAPVGM PDVWLTMLSMIVGATCYAMFIG
HATALIQSLDSSRRQYQ EKYKQVEQYMSFHKL PADTRQRIHEYEHRYQGKMFDE
ESILGELSEPLREEIINFTCRG LVAHMPLFAHADPSFVTAVLTKLRFEVFQPGDLVVR
EGSVGRKMYFIQHGLLSVLARGAR DTRLTDGSYFGEICLLTRGRRTASVRADTYCR
LYLSVDHFNVALEEFPMRRRAFETVAM DRLRRIGKKN SILQRKRSEPPSGSSSGG
    
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VMEQHLVQHDRDMARGIRGLAPGTGARLSGKP VLWEPLVHAPLQAAAVTSNVAIAL  
 THQRGPLPLSPDSPATLLARSARRSAGSPASPLVPV RAGPLLARGPWASTSRLPAP  
 PARTLHASLSRTGRSQVSLGPPPGGGRRLLGPRGRPLSA SQPSLPQRATGDGSP  
 RRRKSGSERLPPSGLLAKPPGTVQPSRSSVPEPVTPRGPQISANM

**Purity** Greater than 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** Hcn3

**Synonyms** Hcn3; Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3

**UniProt ID** [Q9JKA8](#)

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