Recombinant Human HCN4 protein, His-tagged

Cat. No. HCN4-3477H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HCN4 protein(1-213 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-213 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AASequence	MDKLPPSMRKRLYSLPQQVGAKAWIMDEEEDAEEEGAGGRQDPSRRSIRLRPLPS PSPSAAAGGTESRSSALGAADSEGPARGAGKSSTNGDCRRFRGSLASLGSRGGG SGGTGSGSSHGHLHDSAEERRLIAEGDASPGEDRTPPGLAAEPERPGASAQPAAS PPPPQQPPQPASASCEQPSVDTAIKVEGGAAAGDQILPEAEVRLGQAGF
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25

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	g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	HCN4 hyperpolarization activated cyclic nucleotide-gated potassium channel 4 [Homo sapiens]
Official Symbol	HCN4
Synonyms	HCN4; hyperpolarization activated cyclic nucleotide-gated potassium channel 4; potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4; hyperpolarization activated cyclic nucleotide-gated cation channel 4; SSS2;
Gene ID	10021
mRNA Refseq	NM_005477
Protein Refseq	NP_005468
MIM	605206
UniProt ID	Q9Y3Q4

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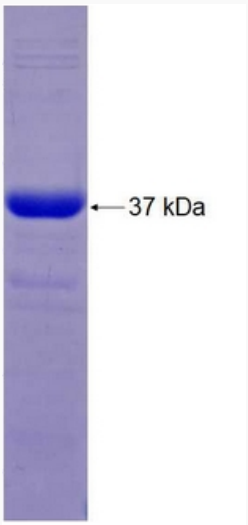
SDS-PAGE	

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