

Recombinant Human KCNN4 protein, His-tagged

Cat. No. KCNN4-3768H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNN4 protein(304-427 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	304-427 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	DIQYTKEMKESAAARVLQEAWMFYKHTRRKESHAARRHQRKLLAAINAFRQVRLKHR KLREQVNSMVDISKMHMILYDLQQNLSSSHRALEKQIDTLAGKLDALTELLSTALGPR QLPEPSQQSK
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name	KCNN4 potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4 [Homo sapiens]
Official Symbol	KCNN4
Synonyms	KCNN4; potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4; intermediate conductance calcium-activated potassium channel protein 4; hKCa1; hKCa4; hSK4; KCa3.1; SKCa4; SKCa 4; putative Gardos channel; putative erythrocyte intermediate conductance calcium-activated potassium Gardos channel; IK1; SK4; KCA4; IKCA1;
Gene ID	3783
mRNA Refseq	NM_002250
Protein Refseq	NP_002241
MIM	602754
UniProt ID	O15554

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