

## Recombinant Human KCNA3 protein, His-tagged

Cat. No. KCNA3-316H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KCNA3 protein(NP_002223)(1-226 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-226 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> ,17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
<b>AA Sequence</b>	MDERLSLLRSPPPPSARHRAHPPQRPASSGGAHTLVNHGYAEPAAAGRELPPDMTV VPGDHLLEPEVADGGGAPPQGGCGGGGCDRYEPLPPSLPAAGEQDCCGERVVINI SGLRFETQLKTLQFPETLLGDPKRRMRYFDPLRNEYFFDRNRPSFDAILYYYQSG GRIRRPVNVPIDIFSEEIRFYQLGEEAMEKFREDEGFLREEERPLPRRDFQRQVWLL FEY
<b>Purity</b>	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Aliquot and store at -20°C to -80°C for up to 6 months. Avoid repeat freeze-thaw cycles.
<b>Concentration</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> ,17mM

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NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** [KCNA3 potassium voltage-gated channel, shaker-related subfamily, member 3 \[ Homo sapiens \]](#)

**Official Symbol** [KCNA3](#)

**Synonyms**

KCNA3; potassium voltage-gated channel, shaker-related subfamily, member 3; potassium voltage-gated channel subfamily A member 3; HLK3; HPCN3; Kv1.3; MK3; potassium channel 3; type n potassium channel; voltage-gated K(+) channel HuKIII; voltage-gated potassium channel protein Kv1.3; voltage-gated potassium channel subunit Kv1.3; HGK5; PCN3; KV1.3; HUKIII;

**Gene ID** [3738](#)

**mRNA Refseq** [NM\\_002232](#)

**Protein Refseq** [NP\\_002223](#)

**MIM** [176263](#)

**UniProt ID** [P22001](#)

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