Recombinant Human KCNQ2 protein, GST-tagged

Cat. No. KCNQ2-301222H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNQ2 (1-81 aa) protein, fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Leu81
Form	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
AA Sequence	MVQKSRNGGVYPGPSGEKKLKVGFVGLDPGAPDSTRDGALLIAGSEAPKRGSILSK PRAGGAGAGKPPKRNAFYRKLQNFL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.
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.

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Reconstitution	Reconstitute at 0.25 ḡ/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	KCNQ2 potassium voltage-gated channel, KQT-like subfamily, member 2 [Homo sapiens]
Official Symbol	KCNQ2
Synonyms	KCNQ2; potassium voltage-gated channel, KQT-like subfamily, member 2; EBN, EBN1; potassium voltage-gated channel subfamily KQT member 2; BFNC; ENB1; HNSPC; KCNA11; Kv7.2; KQT-like 2; voltage-gated potassium channel subunit Kv7.2; neuroblastoma-specific potassium channel protein; neuroblastoma-specific potassium channel subunit alpha KvLQT2; EBN; EBN1; BFNS1; EIEE7; KV7.2; KVEBN1;
Gene ID	3785
mRNA Refseq	NM_004518
Protein Refseq	NP_004509
MIM	602235
UniProt ID	O43526

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