

Recombinant Human KCNAB2 protein, His-tagged

Cat. No. KCNAB2-232H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNAB2 protein(1-395 aa), fused with His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-395 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	<p> MYPESTTGSPARLSLRQTGSPGMIYSTRYGSPKRQLQFYRNLGKSGLRVSCGLGLGT WVTFGGQITDEMAEQLM TLAYDNGINLFDTAEVYAAGKAEVVLGNIIKKKGWRRSSL VITTKIFWGGKAETERGLSRKHIIIEGLKASLERLQLEYVDVVFANRPDPNTPMEETVR AMTHVINQGMAMYWGTSRWSSMEIMEAYSVARQFNLTTPICEQAEYHMFQREKVE VQLPELFHKIGV GAMTWSPLACGIVSGKYDSGIPPYSRASLKG YQWLKDKILSEEGR RQQAKLKELQAI AERLGCTLPQLAI AWCLRNEGVSSVLLGASNADQLMENIGAIQVR VRGPAGQRAHPSPSPVQCILPGSSCVPGSVLGTQDAPVNHQSCAPGELAFQQEQT </p>
Purity	75%, 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

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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

KCNAB2 potassium voltage-gated channel, shaker-related subfamily, beta member 2
 [Homo sapiens]

Official Symbol

KCNAB2

Synonyms

KCNAB2; potassium voltage-gated channel, shaker-related subfamily, beta member 2; voltage-gated potassium channel subunit beta-2; AKR6A5; HKvbeta2.1; HKvbeta2.2; KCNA2B; K+ channel beta-2 subunit; K(+) channel subunit beta-2; potassium channel shaker chain beta 2; HKvbeta2; KV-BETA-2; MGC117289;

Gene ID

8514

mRNA Refseq

NM_001199860

Protein Refseq

NP_001186789

MIM

601142

UniProt ID

Q13303

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