

Recombinant Human KCNJ10 Full Length Transmembrane protein, His-SUMO-tagged

Cat. No. KCNJ10-2381H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNJ10 protein(P78508)(1-379aa), fused to N-terminal His-SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-379aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	58.5kDa
AA Sequence	MTSVAKVYYSQTTQTESRPLMGPGIRRRRVLTkdGRSNVRMEHIADKRFLYLKDLW TTFIDMQWRYKLLLFsATfAGTWFLFGVvWYLVAVAHGDLLELDPPANHTPCVVQV HTLTGAFLFSLESQTTIGYGFryISEECPLAIVLLIAQLVLTtILEIFITGTFLAKIARPKKR AETIRFSQHAVVASHNGKPCLMIRVANMRKSLlIGCQVTGKLLQTHQTKEGENIRLN QVNVTFQVDTASDSPFLILPLTFYHVVDETSPLKDLPLRSGEGDFELVLILSGTVESTS ATCQVRTSYLPeeILWGYEFTPAISLSASgKYIADfSLFDQVVKVASPSGLRDSTVRY GDPEKLKLEESLREQAEKEGSALSVRISNV

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Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name	KCNJ10 potassium inwardly-rectifying channel, subfamily J, member 10 [Homo sapiens]
Official Symbol	KCNJ10
Synonyms	KCNJ10; potassium inwardly-rectifying channel, subfamily J, member 10; ATP-sensitive inward rectifier potassium channel 10; Kir1.2; Kir4.1; inward rectifier K+ channel KIR1.2; inward rectifier K(+) channel Kir1.2; ATP-dependent inwardly rectifying potassium channel Kir4.1; potassium channel, inwardly rectifying subfamily J member 10; glial ATP-dependent inwardly rectifying potassium channel KIR4.1; KIR1.2; KIR4.1; SESAME; BIRK-10; KCNJ13-PEN;
Gene ID	3766
mRNA Refseq	NM_002241
Protein Refseq	NP_002232
MIM	602208

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UniProt ID	P78508
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SDS-PAGE	
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