

Recombinant Human KCNN4 Full Length Transmembrane protein, His-tagged

Cat. No. KCNN4-16H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human KCNN4 Protein(NP_002241)(1-427 aa), fused with N-terminal His tag, was expressed in E. coli.

Species Human

Source E.coli

ProteinLength 1-427 aa

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 53.7 kDa

AA Sequence

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MGGDLVLGLGALRRRKRLLLEQEKSLAGWALVLAGTGIGLMVLHAEMLWFGGCSWA
LYLFLVKCTISISTFLLLCLIVAFHAKEVQLFMTDNGLRDWRVALTGRQAAQIVLELVV
CGLHPAPVRGPPCVQDLGAPLTSPQPWPGFLGQGEALLSLAMLLRLYLVPRAVLLR
SGVLLNASYRSIGALNQVRFRRHWFVAKLYMNTHPGRLLLGLTLGLWLTTAWVLSVA
ERQAVNATGHLSDTLWLIPITFLTIGYGDVVPGTMWVKIVCLCTGVMGVCCTALLVA
VVARKLEFNKAEKHVHNFMMDIQYTKEMKESAAARVLQEAWMFYKHTRRKESHAAR
RHQRKLLAAINAFRQVRLKHKRLREQVNSMVDISKMHMILYDLQQNLSSSHRALEKQ
IDTLAGKLDALTELLSTALGPRQLPEPSQQSK
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Purity	Greater than 85% 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	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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