

Recombinant Full Length Human Intermediate Conductance Calcium-Activated Potassium Channel Protein 4(Kcnn4) Protein, His-Tagged

Cat. No. RFL415HF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Human Intermediate conductance calcium-activated potassium channel protein 4(KCNN4) Protein (O15554) (1-427 aa), fused to N-terminal His tag, was expressed in E. coli.

Species Human

Source E.coli

ProteinLength Full Length (1-427 aa)

Form Lyophilized powder

AA Sequence MGGDLVLGLGALRRRKRLLLEQEKSLAGWALVLAGTGIGLMVLHAEMLWFGGCSWA
 LYLFLVKCTISISTFLLLCLIVAFHAKEVQLFMTDNGLRDWRVALTGRQAAQIVLELVV
 CGLHPAPVRGPPCVQDLGAPLTSPQPWPGFLGQGEALLSLAMLLRRLYLVPRAVLLR
 SGVLLNASYRSIGALNQVRFRRHWFVAKLYMNTHPGRLLLGLTLGLWLTTAWVLSVA
 ERQAVNATGHLSDTLWLIPITFLTIGYGDVVPGMTMWGKIVCLCTGVMGVCCTALLVA
 VVARKLEFNKAEKHVHNFMMDIQYTKEMKESAAARVLQEAWMFYKHTRRKESHAAR
 RHQRKLLAAINAFRQVRLKHKRLREQVNSMVDISKMHMILYDLQQNLSSSHRALEKQ
 IDTLAGKLDALTELLSTALGPRQLPEPSQQSK Note: The complete sequence including tag sequence, target protein sequence and linker sequence could be provided upon request.

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Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	KCNN4
Synonyms	KCNN4; IK1; IKCA1; KCA4; SK4; Intermediate conductance calcium-activated potassium channel protein 4; SKCa 4; SKCa4; IKCa1; KCa3.1; KCa4; Putative Gardos channel
UniProt ID	O15554

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