

Product datasheet for **TP762082**

KCNN4 (NM_002250) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4 (KCNN4),Phe301-Lys360, with N-terminal His-ABP tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Phe301-Lys360) of KCNN4
Tag:	N-His-ABP (Albumin-Binding Protein)
Predicted MW:	22.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002241
Locus ID:	3783
UniProt ID:	O15554
RefSeq Size:	2240
Cytogenetics:	19q13.31
RefSeq ORF:	1281
Synonyms:	DHS2; hKCa1; hKCa4; hSK4; IK; IK1; IKCA1; KCa3.1; KCA4; SK4



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Summary:

The protein encoded by this gene is part of a potentially heterotetrameric voltage-independent potassium channel that is activated by intracellular calcium. Activation is followed by membrane hyperpolarization, which promotes calcium influx. The encoded protein may be part of the predominant calcium-activated potassium channel in T-lymphocytes. This gene is similar to other KCNN family potassium channel genes, but it differs enough to possibly be considered as part of a new subfamily. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images: