

## Product datasheet for **TP762252**

### **KCNK3 (NM\_002246) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human potassium channel, subfamily K, member 3 (KCNK3), Leu244-End, with N-terminal His tag, expressed in E.coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding the region(Leu244-End) of KCNK3
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	16.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	50 mM Tris-HCl, pH 8.0, 8 M urea
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002237</a>
<b>Locus ID:</b>	3777
<b>UniProt ID:</b>	<a href="#">O14649</a>
<b>RefSeq Size:</b>	2590
<b>Cytogenetics:</b>	2p23.3
<b>RefSeq ORF:</b>	1182
<b>Synonyms:</b>	K2p3.1; OAT1; PPH4; TASK; TASK-1; TASK1; TBAK1



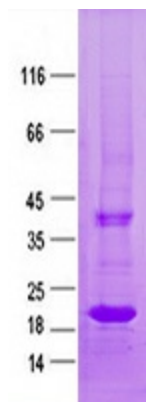
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**Summary:**

This gene encodes a member of the superfamily of potassium channel proteins that contain two pore-forming P domains. The encoded protein is an outwardly rectifying channel that is sensitive to changes in extracellular pH and is inhibited by extracellular acidification. Also referred to as an acid-sensitive potassium channel, it is activated by the anesthetics halothane and isoflurane. Although three transcripts are detected in northern blots, there is currently no sequence available to confirm transcript variants for this gene. [provided by RefSeq, Aug 2008]

**Protein Families:**

Druggable Genome, Ion Channels: Potassium, Transmembrane

**Product images:**

Purified recombinant protein KCNK3 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.