

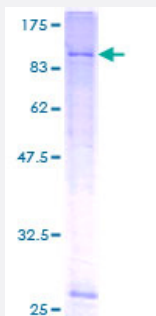
Full-Length

# KCNK5 (Human) Recombinant Protein (P01)

Catalog # H00008645-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human KCNK5 full-length ORF ( AAH60793, 1 a.a. - 499 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MVDRGPLL TSAIFYLAIGAAIFEVL EEPHWKEAKKNYYTQKLHLLKEFPCLGQEGLDKILEVVSDAA  
GQGVAITGNQTFNNWNWPNAMIFAATVITTIGYGNVAPKTPAGRLFCV FYGLFGVPLCLTWISALGK  
FFGGRAKRLGQFLTKRGVSLRKAQITCTVIFVWGVLVHLVIPPFVFMVTEGWNIEGLYYSFITISTIG  
FGDFVAGVNPSANYHALYRYFVELWYLGAWLSLFVNWKVSMFVEVHKAIAKKRRRRRKESFESS  
PHSRKALQVKGSTASKDVNIFSFLSKKEETYNDLIKQIGKKAMKTSGGGETGPGPGLGPQGGGLP  
ALPPSLVPLVVYSKNRVPTLEEVSQTLRSKGHVSRSPDEEAVARAPEDSSPAPEVFMNQLDRIS  
EECEPWAQDYHPLIFQDASITFVNTEAGLSDEETSKSSLEDNLAGEESPQQGAEAKAPLNMGE  
FPSSSESTFTSTESELSVPYEQLMNEYNKANSPKGT

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

80.63

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — KCNK5

**Entrez GeneID**[8645](#)**GeneBank Accession#**[BC060793](#)**Protein Accession#**[AAH60793](#)**Gene Name**

KCNK5

**Gene Alias**

FLJ11035, K2p5.1, TASK-2, TASK2

**Gene Description**

potassium channel, subfamily K, member 5

**Omim ID**[603493](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The message for this gene is mainly expressed in the cortical distal tubules and collecting ducts of the kidney. The protein is highly sensitive to external pH and this, in combination with its expression pattern, suggests it may play an important role in renal potassium transport. [provided by RefSeq]

**Other Designations**

K2P5.1 potassium channel|OTTHUMP00000016343|TWIK-related acid-sensitive K<sup>+</sup> channel 2|acid-sensitive potassium channel protein TASK-2|potassium channel, subfamily K, member 1 (TASK-2)