

# Recombinant Human KCNN1, GST-tagged

**Cat. No.** KCNN1-275H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human KCNN1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                         |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | 366-543aa                                                                                                                                                         |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | KCNN1 potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1 [ Homo sapiens ]                                                                                     |
| <b>Official Symbol</b> | KCNN1                                                                                                                                                                                                |
| <b>Synonyms</b>        | KCNN1; potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1; small conductance calcium-activated potassium channel protein 1; hSK1; KCa2.1; SKCa 1; SK1; SKCA1; |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 3780                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | NM_002248                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_002239                                                                                                                                                                           |
| <b>MIM</b>                 | 602982                                                                                                                                                                              |
| <b>UniProt ID</b>          | Q92952                                                                                                                                                                              |
| <b>Chromosome Location</b> | 19p13.1                                                                                                                                                                             |
| <b>Pathway</b>             | Ca2+ activated K+ channels, organism-specific biosystem; Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem;                             |
| <b>Function</b>            | calcium-activated potassium channel activity; calmodulin binding; ion channel activity; potassium channel activity; small conductance calcium-activated potassium channel activity; |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA