

# Recombinant Full Length Human KCNIP3 Protein, GST-tagged

**Cat. No.** KCNIP3-2153HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Human CSEN full-length ORF ( AAH12850, 1 a.a. - 256 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 256 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. Members of this family are small calcium binding proteins containing EF-hand-like domains. They are integral subunit components of native Kv4 channel complexes that may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. The encoded protein also functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 53.90 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MQPAKEVTKASDGSLLGDLGHTPLSKKEGIKWQRPRLSRQALMRCCLVKWILSSTA<br>PQGSDSSDSELELSTVRHQPEGLDQLQAQTKFTKKELQSLYRGFKNECPTGLVDED<br>TFKLIYAQFFPQGDATTYAHFLFNAFDADGNGAIHFEDFVGLSILLRGTVHEKCLKWA<br>FNLYDINKDGYITKEEMLAIMKSIYDMMGRHTYPILREDAPAEHVERFFFEKMDRNQD                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|                         | GVVTIEEFLEACQKDENIMSSMQLFENVI                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                      |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                               |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>        | KCNIP3 Kv channel interacting protein 3, calsenilin [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b>  | KCNIP3                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>         | KCNIP3; Kv channel interacting protein 3, calsenilin; calsenilin, presenilin binding protein, EF hand transcription factor , CSEN; calsenilin; DREAM; KCHIP3; DRE-antagonist modulator; kv channel-interacting protein 3; potassium channel interacting protein 3; A-type potassium channel modulatory protein 3; calsenilin, presenilin-binding protein, EF hand transcription factor; CSEN; MGC18289 |
| <b>Gene ID</b>          | 30818                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>      | NM_001034914                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_001030086                                                                                                                                                                                                                                                                                                                                                                                           |

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| MIM | 604662 |
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| UniProt ID | Q9Y2W7 |
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