

# Recombinant Human SCNN1G protein, His-tagged

**Cat. No.** SCNN1G-2539H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                       |
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| <b>Product Overview</b> | Recombinant Human SCNN1G protein(NP_001030.2)(Thr80~Thr401), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Thr80~Thr401                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Nonvoltage-gated, amiloride-sensitive, sodium channels control fluid and electrolyte transport across epithelia in many organs. These channels are heteromeric complexes consisting of 3 subunits: alpha, beta, and gamma. This gene encodes the gamma subunit, and mutations in this gene have been associated with Liddle syndrome. |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 41&16kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                               |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein.                                                                                                                                                                                                                  |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                          |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | SCNN1G sodium channel epithelial 1 subunit gamma [ Homo sapiens (human) ]                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b>  | SCNN1G                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | PHA1; BESC3; ENaCg; LDLS2; SCNEG; ENaCgamma                                                                                                                                                                                                                                                                                         |
| <b>Gene ID</b>          | 6340                                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>      | NM_001039.4                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>   | NP_001030.2                                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>              | 600761                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | P51170                                                                                                                                                                                                                                                                                                                              |

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