

## Recombinant Human SCN2B protein, hFc-tagged

**Cat. No.** SCN2B-8616H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SCN2B protein(O60939) (Met1-Ala159) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-159 aa                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | The recombinant human SCN2B /Fc is a disulfide-linked homodimer. The reduced monomer comprises 371 amino acids and has a predicted molecular mass of 42.2 kDa. The apparent molecular mass of the protein is approximately 53-57 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                              |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                                                                           |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                        |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                                                    |

 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

0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

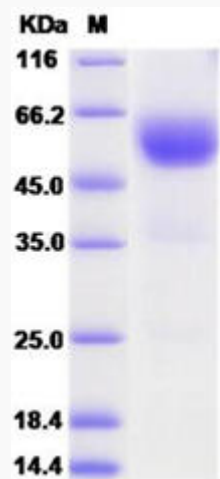
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SCN2B sodium channel, voltage-gated, type II, beta subunit [ Homo sapiens ]                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b> | SCN2B                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | SCN2B; sodium channel, voltage-gated, type II, beta subunit; sodium channel, voltage gated, type II, beta , sodium channel, voltage gated, type II, beta polypeptide; sodium channel subunit beta-2; sodium channel beta 2 subunit; neuronal voltage-gated sodium channel beta 2 subunit; sodium channel, voltage-gated, type II, beta polypeptide; |
| <b>Gene ID</b>         | 6327                                                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>     | NM_004588                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | NP_004579                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>             | 601327                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>      | O60939                                                                                                                                                                                                                                                                                                                                              |

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**SDS-PAGE**

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