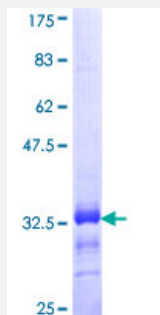


SCN11A (Human) Recombinant Protein (Q01)

Catalog # H00011280-Q01

Size 10 ug, 25 ug

Applications



Specification

| | |
|--------------------------------------|--|
| Product Description | Human SCN11A partial ORF (NP_054858, 1726 a.a. - 1791 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | TTTKRKEEERGAAIIQKAFRKYMMKVTKGDQGDQNDLENGPHSPLQTLCSGDLSSFGVAKGKVHCD |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 33 |
| Interspecies Antigen Sequence | Mouse (54); Rat (56) |
| 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 — SCN11A

Entrez GeneID [11280](#)

GeneBank Accession# [NM_014139](#)

Protein Accession# [NP_054858](#)

Gene Name SCN11A

Gene Alias NAV1.9, NaN, SCN12A, SNS-2

Gene Description sodium channel, voltage-gated, type XI, alpha subunit

Omim ID [604385](#)

Gene Ontology [Hyperlink](#)

Gene Summary Voltage-gated sodium channels are membrane protein complexes that play a fundamental role in the rising phase of the action potential in most excitable cells. Alpha subunits, such as SCN11A, mediate voltage-dependent gating and conductance, while auxiliary beta subunits regulate the kinetic properties of the channel and facilitate membrane localization of the complex. Aberrant expression patterns or mutations of alpha subunits underlie a number of disorders. Each alpha subunit consists of 4 domains connected by 3 intracellular loops; each domain consists of 6 transmembrane segments and intra- and extracellular linkers.[supplied by OMIM]

Other Designations sodium channel, voltage-gated, type XI, alpha|sodium channel, voltage-gated, type XI, alpha polypeptide|sodium channel, voltage-gated, type XII, alpha polypeptide|voltage-gated sodium channel Nav1.9