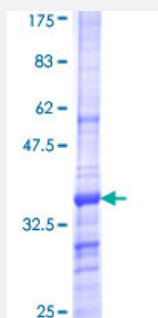


SCN2A2 (Human) Recombinant Protein (Q01)

Catalog # H00006326-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SCN2A2 partial ORF (NP_066287, 273 a.a. - 362 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NLRNKCLQWPPDNSSFEINITSFNNSLDGNGTTFNRTVSIFNWDEYIEDKSHFYFLEGQNDALLC GNSSDAGQCPEGYICVKAGRNPNY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (93)
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 — SCN2A

Entrez GeneID [6326](#)

GeneBank Accession# [NM_021007](#)

Protein Accession# [NP_066287](#)

Gene Name SCN2A

Gene Alias HBA, HBSCI, HBSCII, NAC2, Na(v)1.2, Nav1.2, SCN2A1, SCN2A2

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

Omim ID [182390](#) [604233](#) [607745](#)

Gene Ontology [Hyperlink](#)

Gene Summary Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit with 24 transmembrane domains and one or more regulatory beta subunits. They are responsible for the generation and propagation of action potentials in neurons and muscle. This gene encodes one member of the sodium channel alpha subunit gene family. It is heterogeneously expressed in the brain, and mutations in this gene have been linked to several seizure disorders. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq]

Other Designations OTTHUMP00000041049|OTTHUMP00000041050|sodium channel protein, brain type 2 alpha subunit|sodium channel, voltage-gated, type II, alpha|sodium channel, voltage-gated, type II, alpha 1 polypeptide|sodium channel, voltage-gated, type II, alpha 2 polypeptide|

Disease

- [Autistic Disorder](#)

- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Peripheral Nervous System Diseases](#)
- [Seizures](#)
- [Tobacco Use Disorder](#)