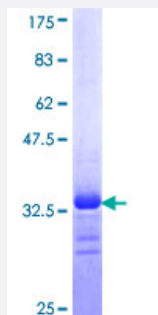


SCN9A (Human) Recombinant Protein (Q01)

Catalog # H00006335-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SCN9A partial ORF (NP_002968, 269 a.a. - 339 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GNLKHKCFRNSLENNETLESIMNTLESEEDFRKYFYLEGSKDALLCGFSTDGQCPEGYTCVKIG RNPDY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.55
Interspecies Antigen Sequence	Rat (87)
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 — SCN9A

Entrez GeneID	6335
GeneBank Accession#	NM_002977
Protein Accession#	NP_002968
Gene Name	SCN9A
Gene Alias	ETHA, NE-NA, NENA, Nav1.7, PN1
Gene Description	sodium channel, voltage-gated, type IX, alpha subunit
Omim ID	133020 167400 243000 603415
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a voltage-gated sodium channel which plays a significant role in nociception signaling. Mutations in this gene have been associated with primary erythralgia, channelopathy-associated insensitivity to pain, and paroxysmal extreme pain disorder. [provided by RefSeq]
Other Designations	sodium channel, voltage-gated, type IX, alpha sodium channel, voltage-gated, type IX, alpha polypeptide voltage-gated sodium channel alpha subunit Nav1.7

Disease

- [Abnormalities](#)
- [Borderline Personality Disorder](#)
- [Electroshock](#)
- [Epilepsy](#)

- [Genetic Predisposition to Disease](#)
- [Migraine without Aura](#)
- [Pain](#)
- [Pain Threshold](#)
- [Perception](#)
- [Psychiatric Status Rating Scales](#)
- [Seizures](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)