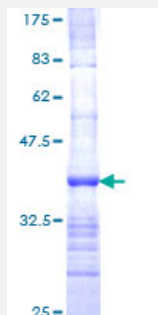


SCN8A (Human) Recombinant Protein (Q01)

Catalog # H00006334-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SCN8A partial ORF (NP_055006, 1854 a.a. - 1951 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RVLGDSGELDILRQQMEERFVASNPSKVSYPEITTTLRKQEEVSAVVLQRAYRGHLARRGFICKK TTSNKLENGGTHREKKESTPSTASLPSYDSVT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (98); Rat (96)
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 — SCN8A

Entrez GeneID	6334
GeneBank Accession#	NM_014191
Protein Accession#	NP_055006
Gene Name	SCN8A
Gene Alias	CerIII, MED, NaCh6, Nav1.6, PN4
Gene Description	sodium channel, voltage gated, type VIII, alpha subunit
Omim ID	600702
Gene Ontology	Hyperlink
Gene Summary	Voltage-dependent sodium channels, such as SCN8A, are responsible for the initial membrane depolarization that occurs during generation of action potentials in most electrically excitable cells (Plummer et al., 1998 [PubMed 9828131]).[supplied by OMIM]
Other Designations	hNa6/Scn8a voltage-gated sodium channel motor endplate disease sodium channel voltage-gated type VIII alpha sodium channel, voltage gated, type VIII, alpha sodium channel, voltage gated, type VIII, alpha polypeptide voltage-gated sodium channel Nav1.6 vol

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Bipolar Disorder](#)
- [Essential tremor](#)

- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)