

Recombinant Human SCN9A protein, GST-tagged

Cat. No. SCN9A-27560TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SCN9A(269 a.a. - 339 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	269-339 a.a.
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	33.55 kDa
AA Sequence	GNLKHKCFRNSLENNETLESIMNTLESEEDFRKYFYYLEGSKDALLCGFSTDGQCP EGYTCVKIGRNP DY
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name SCN9A sodium channel, voltage-gated, type IX, alpha subunit [Homo sapiens]

Official Symbol SCN9A

Synonyms SCN9A; sodium channel, voltage-gated, type IX, alpha subunit; sodium channel, voltage gated, type IX, alpha polypeptide; sodium channel protein type 9 subunit alpha; ETHA; Nav1.7; NE NA; NENA; PN1; hNE-Na; peripheral sodium channel 1; neuroendocrine sodium channel; sodium channel protein type IX subunit alpha; voltage-gated sodium channel alpha subunit Nav1.7; voltage-gated sodium channel subunit alpha Nav1.7; sodium channel, voltage-gated, type IX, alpha polypeptide; SFNP; FEB3B; NE-NA; GEFSP7;

Gene ID 6335

mRNA Refseq NM_002977

Protein Refseq NP_002968

MIM 603415

UniProt ID Q15858

Chromosome Location 2q24

Pathway Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Interaction between L1 and Ankyrins, organism-specific

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biosystem; L1CAM interactions, organism-specific biosystem;

Function

voltage-gated ion channel activity; voltage-gated sodium channel activity;

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