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 erythermalgia, 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	GNLKHKCFRNSLENNETLESIMNTLESEEDFRKYFYYLEGSKDALLCGFSTDSGQCP EGYTCVKIGRNPDY
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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	biosystem; L1CAM interactions, organism-specific biosystem;
Function	voltage-gated ion channel activity; voltage-gated sodium channel activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA