

Recombinant Human CACNA1S Protein, GST-Tagged

Cat. No. CACNA1S-0268H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CACNA1S partial ORF (NP_000060, 1743 a.a. - 1838 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes one of the five subunits of the slowly inactivating L-type voltage-dependent calcium channel in skeletal muscle cells. Mutations in this gene have been associated with hypokalemic periodic paralysis, thyrotoxic periodic paralysis and malignant hyperthermia susceptibility. [provided by RefSeq, Jul 2008]
Molecular Mass	36.3 kDa
AA Sequence	CPRVESSMPEDRKSSTPGSLHEETPHSRSTRENTSRCSAPATALLIQLKALVRGGLG TLAADANFIMATGQALGDACQMEPEEVEIMATELLKGREA
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.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CACNA1S calcium channel, voltage-dependent, L type, alpha 1S subunit [Homo sapiens]

Official Symbol CACNA1S

Synonyms CACNA1S; calcium channel, voltage-dependent, L type, alpha 1S subunit; CACNL1A3, HOKPP, MHS5; voltage-dependent L-type calcium channel subunit alpha-1S; Cav1.1; hypoPP; dihydropyridine receptor; voltage-gated calcium channel subunit alpha Cav1.1; dihydropyridine-sensitive L-type calcium channel alpha-1 subunit; calcium channel, L type, alpha 1 polypeptide, isoform 3 (skeletal muscle, hypokalemic periodic paralysis); MHS5; HOKPP; TTPP1; HOKPP1; CCHL1A3; CACNL1A3;

Gene ID 779

mRNA Refseq NM_000069

Protein Refseq NP_000060

MIM 114208

UniProt ID Q13698

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