

Recombinant Human CACNA1I Protein, GST-Tagged

Cat. No. CACNA1I-0267H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CACNA1I partial ORF (NP_066919, 233 a.a. - 331 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes the pore-forming alpha subunit of a voltage gated calcium channel. The encoded protein is a member of a subfamily of calcium channels referred to as is a low voltage-activated, T-type, calcium channel. The channel encoded by this protein is characterized by a slower activation and inactivation compared to other T-type calcium channels. This protein may be involved in calcium signaling in neurons. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011]
Molecular Mass	36.63 kDa
AA Sequence	GLLRNRCFLEENFTIQGDVALPPYYQPEEDDEMPFICSLSGDNGIMGCHEIPPLKEQ GRECCLSKDDVYDFGAGRQDLNASGLCVNWNRYYNVCRTGSA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

 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

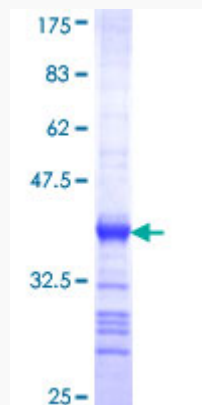
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CACNA1I calcium channel, voltage-dependent, T type, alpha 1I subunit [Homo sapiens]
Official Symbol	CACNA1I
Synonyms	CACNA1I; calcium channel, voltage-dependent, T type, alpha 1I subunit; voltage-dependent T-type calcium channel subunit alpha-1I; Cav3.3; voltage-gated calcium channel subunit alpha Cav3.3; calcium channel, voltage-dependent, alpha 1I subunit; ca(v)3.3; KIAA1120;
Gene ID	8911
mRNA Refseq	NM_001003406
Protein Refseq	NP_001003406
MIM	608230
UniProt ID	Q9P0X4

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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