

Recombinant Full Length Guinea Pig Voltage-Dependent L-Type Calcium Channel Subunit Alpha-1C(Cacna1C) Protein, His-Tagged

Cat. No. RFL29137CF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Guinea pig Voltage-dependent L-type calcium channel subunit alpha-1C(CACNA1C) Protein (O35505) (1-169aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Guinea pig
Source	E.coli
ProteinLength	Full Length (1-169aa)
Form	Lyophilized powder
AA Sequence	FQEQGEQEYKNCELDKNQRQCVEYALKARPLRRYIPISITFFRLFRVMRLVKLLSRG EGIRTLWTFIKSFQALPYVALLIVMLFFIYAVIGMQVFGKIALNDTTEINRNNNFQTFP QAVLLLFRCATGEAWQDIMLACMPGKKRAPESEPSNSTEGETPCGSSFAVFY Note: The complete sequence including tag sequence, target protein sequence and linker s equence could be provided upon request.
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C

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for up to one week.

Storage

Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name

CACNA1C

Synonyms

CACNA1C; CACH2; CACN2; CACNL1A1; CCHL1A1; Voltage-dependent L-type calcium channel subunit alpha-1C; Calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle; Voltage-gated calcium channel subunit alpha Cav1.2

UniProt ID

[O35505](https://www.uniprot.org/entry/O35505)

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