

CACNA1D Protein, Mouse, Recombinant, GFP-Labeled

General Information

Synonyms:	Cacn4;Cacnl1a2;Voltage-gated calcium channel subunit alpha Cav1.3;Voltage-dependent L-type calcium channel subunit alpha-1D;Cach3;Calcium channel, L type, alpha-1 polypeptide isoform 2;Cacna1d;Cchl1a2
Protein Construction:	1644-2144 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	Q99246
Molecular Weight:	83.7 kDa (Predicted)
AA Sequence:	EQGLVGKYPAKNTTIALQAGLRTLHDIGPEIRRAISCDLQDDEPEDSKPEEEDVFKRNGALLGNHVNHVNSDR RDSLQQTNTTHRPLHVQRPSMPPASDTEKPLFPPAGNSGCHNHHNHNSIGKQAPTSTNANLNNANMSKA AHGKPPSIGNLEHVSENGHYSCKHRELQRRSSIKRTRYETYIRSESGDEQFPTICREDPEIHGYFRDPRCLGE QEYFSSEECEDDSSPTWSRQNYNYNRYPGSSMDFERPRGYHHPQGFLLEDDSDPTGYDSRRSPRRRLPP TPPSHRRSSFNFECRRQSSQDDVLPSPALPHRAALPLHLMQQQIMAVAGLDSSKAQKYSPLSHSTRSWATP PATPPYRDWSPCYTPLIQVDRSESMQVNGSLPSLHRSSWYTDDEPDISYRTFTPASLTPSSFRNKNSDKQRS ADSLVEAVLISEGLGRYARDPKFVSATKHEIADACDLTIDEMESAASTLLNGSVCPRANGDMGPISHRQ

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	>85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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