

Recombinant Human CACNA2D1 protein, GST-tagged

Cat. No. CACNA2D1-3729H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CACNA2D1 protein(25-124 aa), fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	25-124 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
AA Sequence	MEPFPSAVTIKSWVDKMQEDLVTAKTASGVNQLVDIYEKYQDLYTVEPNNAARQLVE IAARDIEKLLSNRSKALVRLALEAEKVQAAHQWREDFASNEVVY
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term

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storage.

GENE INFORMATION

Gene Name	CACNA2D1 calcium channel, voltage-dependent, alpha 2/delta subunit 1 [Homo sapiens]
Official Symbol	CACNA2D1
Synonyms	CACNA2D1; calcium channel, voltage-dependent, alpha 2/delta subunit 1; CACNA2, CACNL2A, MHS3; voltage-dependent calcium channel subunit alpha-2/delta-1; calcium channel, L type, alpha 2 polypeptide; voltage-gated calcium channel subunit alpha-2/delta-1; dihydropyridine-sensitive L-type, calcium channel alpha-2/delta subunit; CACNA2; CCHL2A; CACNL2A;
Gene ID	781
mRNA Refseq	NM_000722
Protein Refseq	NP_000713
MIM	114204
UniProt ID	P54289

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