

## Recombinant Human CACNA2D1 protein, His-SUMO-tagged

Cat. No. CACNA2D1-089H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CACNA2D1 protein(P54289)(528-668aa), fused to N-terminal His and SUMO tags, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	528-668aa
<b>Form</b>	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.
<b>Molecular Mass</b>	32.3 kDa
<b>AA Sequence</b>	QPKPIGVGIPTINLRKRRPNIQNPKSQEPVTLDFLDAELENEDIKVEIRNKMIDGESGEK TFRTL VKSQDERYIDKGNRTYTWTPVNGTDYSLALVLPTYSFYIYKAKLEETITQARY SETLKPDNFEESGYTFIAPRDYCN
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

## GENE INFORMATION

<b>Gene Name</b>	CACNA2D1 calcium channel, voltage-dependent, alpha 2/delta subunit 1 [ Homo sapiens ]
<b>Official Symbol</b>	CACNA2D1
<b>Synonyms</b>	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;
<b>Gene ID</b>	781
<b>mRNA Refseq</b>	NM_000722
<b>Protein Refseq</b>	NP_000713
<b>MIM</b>	114204
<b>UniProt ID</b>	P54289

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