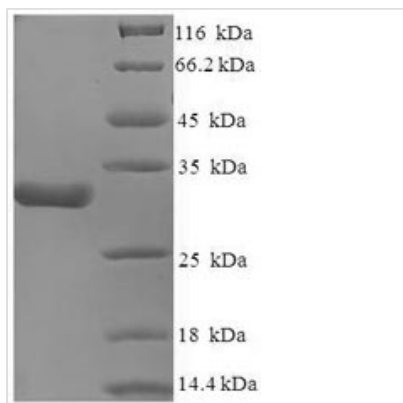




# Recombinant Human Voltage-dependent calcium channel subunit alpha-2/delta-1 (CACNA2D1), partial

<b>Product Code</b>	CSB-EP004407HU1
<b>Relevance</b>	The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel. Plays an important role in excitation-contraction coupling
<b>Abbreviation</b>	Recombinant Human CACNA2D1 protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P54289
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 85% as determined by SDS-PAGE.
<b>Sequence</b>	KMIDGESGEKTFRTLKVSQDERYIDKGNRTYTWTPVNGTDYSLALVLPTYSFY YIKAKLEETITQARYSETLKPDNFEESGYTFIAPRDYCNLDKISDNNTFLLNFN EFIDRKTPNNPSCNADLINRVLLDAGFTNELVQ
<b>Research Area</b>	others
<b>Source</b>	E.coli
<b>Target Names</b>	CACNA2D1
<b>Protein Names</b>	Voltage-gated calcium channel subunit alpha-2/delta-1
<b>Expression Region</b>	577-717aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	32.3kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### 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.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.