

Recombinant Human CACNA1E protein, GST-tagged

Cat. No. CACNA1E-1875H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CACNA1E protein(801-900 aa), fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	801-900 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	MEAPTMNPLNPLNPLSSLNPLNAHPSLYRRPRAIEGLALGLALEKFEEERISRGGSLK GDGGDRSSALDNQRTPLSLGQREPPWLARPCHGNC DPTQQEAG
Purity	80%, 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	CACNA1E calcium channel, voltage-dependent, R type, alpha 1E subunit [Homo sapiens]
Official Symbol	CACNA1E
Synonyms	CACNA1E; calcium channel, voltage-dependent, R type, alpha 1E subunit; CACNL1A6; voltage-dependent R-type calcium channel subunit alpha-1E; BII; CACH6; Cav2.3; brain calcium channel II; voltage-gated calcium channel alpha 1E subunit; voltage-dependent calcium channel alpha 1E subunit; voltage-gated calcium channel alpha subunit Cav2.3; voltage-gated calcium channel subunit alpha Cav2.3; calcium channel, voltage-dependent, alpha 1E subunit; calcium channel, L type, alpha-1 polypeptide, isoform 6; calcium channel, R type, alpha-1 polypeptide, isoform 6;
Gene ID	777
mRNA Refseq	NM_000721
Protein Refseq	NP_000712
MIM	601013
UniProt ID	Q15878

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