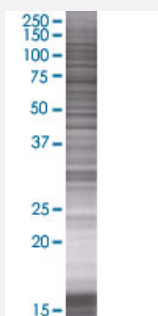


CACNB1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000782-T01

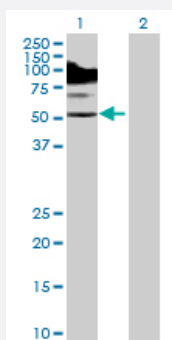
Size 100 uL

Applications



SDS-PAGE Gel

CACNB1 transfected lysate.



Western Blot

Lane 1: CACNB1 transfected lysate (65.89 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CACNB1 full-length

Host Human

Theoretical MW (kDa) 65.89

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CACNB1 antibody ([H00000782-B01](#)) by Western Blots.

SDS-PAGE Gel

CACNB1 transfected lysate.

Western Blot

Lane 1: CACNB1 transfected lysate (65.89 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CACNB1

Entrez GeneID	782
GeneBank Accession#	NM_000723
Protein Accession#	NP_000714
Gene Name	CACNB1
Gene Alias	CAB1, CACNLB1, CCHLB1, MGC41896
Gene Description	calcium channel, voltage-dependent, beta 1 subunit
Omim ID	114207
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the calcium channel beta subunit family. It plays an important role in the calcium channel by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified. [provided by RefSeq]
Other Designations	OTTHUMP00000164286 calcium channel, L type, beta 1 polypeptide dihydropyridine-sensitive L-type, calcium channel beta-1 subunit

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

- [MAPK signaling pathway](#)