

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## Product datasheet for LY412086

## CACNA1I (NM\_021096) Human Over-expression Lysate

## **Product data:**

| Description:Transient overexpression lysate of calcium channel, voltage-dependent, T type, alpha 11<br>subunit (CACNA11), transcript variant 1Species:HumanExpression Host:HEK293TExpression cDNA Clone<br>or AA Sequence:TrueORF Clone RC219179Tag:C-Myc/DDKDetection Antibodies:Clone oT14C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)ACCN:M 021096, NP 066919Synonyms:ca(v)3.3; Cav3.3Predicted MW:244.9 kDaComponents:1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002%<br>Bromophenol blue, 100mM DTT)Storage:Rel k233T cells in 10-cm dishes were transiently transfected withMegaTran Transfection<br>Reagent (TT200002) and Sug TrueORF cDNA plasmid, Transfected cells were cultured for<br>ABN's before collection. The cells were lysate in modified RIPA buffer for collection were are stable for 12 months from the date of receipt when stored at<br>80°C.Preparation:REX293T cells in 10-cm dishes were transiently transfected withMegaTran Transfection<br>Reagent (TT200002) and Sug TrueORF cDNA plasmid, Transfected cells were cultured for<br>ABN's before collection. The cells were lysate in modified RIPA buffer (25mM Tris-HCl pH7.6,<br>150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF<br>and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was<br>measured by BCA kit (Thermo Scientific Inc.).  | Product Type:                | Over-expression Lysates  |
|--|------------------------------|--|
| Expression Host:HEK293TExpression cDNA CloneTrueORF Clone RC219179Tag:C-Myc/DDKDetection Antibodies:Clone OT14C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)ACCN:MM 021096, NP 066919Synonyms:ca(v)3.3; Cav3.3Predicted MW:244.9 kDaComponents:1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002%<br>Bromophenol blue, 100mM DTT)Storage:He lysate is shipped with dry ice. Upon receiving, store the sample at -80°C, Also after<br>dilution, the protein sample should be aliquoted and stored at -80°C for long term storage.<br>Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>visite samples are stable for 12 months from the date of receipt when stored at<br>80°C.Preparation:HEK293T cells in 10-cm dishes were transiently transfected cells were cultured for<br>48hrs before collection. The cells were lysed in modified RPA buffer (25mM Tris-HCl pH7.6,<br>150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktain mix (Sigma), 1mM PMSS<br>and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was<br>measured by BCA kit (Thermo Scientific Inc.).   | Description:                 |  |
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| or AA Sequence:Tag:C-Myc/DDKDetection Antibodies:Clone OTI4C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)ACCN:NM 021096, NP 066919Synonyms:ca(v)3.3; Cav3.3Predicted MW:244.9 kDaComponents:1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCI pH6.8, 10% Glycerol, 0.002%<br>Bromophenol blue, 100mM DTT)Storage:The lysate is shipped with dry ice. Upon receiving, store the sample at -80°C. Also after<br>dilution, the protein sample should be aliquoted and stored at -80°C for long term storage.<br>Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>rovided. Lysate samples are stable for 12 months from the date of receipt when stored at -80°C.Preparation:HEK293T cells in 10-cm dishes were transiently transfected withMegaTran Transfection<br>Reagent (TT200002) and Sug TrueORF cDNA plasmid. Transfected cells were cultured for<br>Reagent (TT200002) and Sug TrueORF cDNA plasmid. Transfected cells were cultured for<br>Reagent (TT200002) and Sug TrueORF cDNA plasmid. Transfected cells were cultured for<br>Reagent (TT200002) and Sug TrueORF cDNA plasmid. Transfected cells were cultured for<br>Reagent (TT200002) and Sug TrueORF cDNA plasmid. Transfected cells were cultured for<br>Reagent (TT200002) and Sug TrueORF cDNA plasmid. Transfected cells were cultured for<br>Shrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCI pH7.6,<br>ShomM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF<br>and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was<br>measured by BCA kit (Ther | Expression Host:             | HEK293T  |
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| <ul> <li>dilution, the protein sample should be aliquoted and stored at -80°C for long term storage.<br/>Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br/>provided. Lysate samples are stable for 12 months from the date of receipt when stored at -<br/>80°C.</li> <li>Preparation: HEK293T cells in 10-cm dishes were transiently transfected with<u>MegaTran</u> Transfection<br/>Reagent (TT200002) and 5ug <u>TrueORF</u> cDNA plasmid. Transfected cells were cultured for<br/>48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6,<br/>150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF<br/>and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was<br/>measured by BCA kit (Thermo Scientific Inc.).</li> </ul>   | Components:                  | 1 vial of 100 μg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002%   |
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| RefSea. NP 066919  | Preparation:                 | Reagent (TT200002) and 5ug <u>TrueORF</u> cDNA plasmid. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was |
|  | RefSeq:                      | <u>NP 066919</u>   |
| Locus ID: 8911   | Locus ID:                    | 8911   |



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|                   | CACNA1I (NM_021096) Human Over-expression Lysate – LY412086 |
|-------------------|---|
| Cytogenetics:     | 22q13.1   |
| Protein Families: | WB  |
| Protein Pathways  | Calcium signaling pathway, MAPK signaling pathway           |
| Product image     | es:   |
|                   | 170 —<br>130 —<br>100 —                                     |

70 .

55

40

35

25

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Western blot validation of overexpression lysate

from HEK293T cells transfected with [RC219179]

using transfection reagent MegaTran 2.0 (Cat#

(Cat# LY412086) using anti-DDK antibody (Cat#

[TA50011-100]). Left: Cell lysates from un-

[TT210002]).

transfected HEK293T cells; Right: Cell lysates

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