

Supplementary Materials: Direct Expression of CPT1a Enables a High Throughput Platform for the Discovery of CPT1a Modulators

A. Non-fusion Plasmid	SI-1
a. Non-fusion Plasmid Sequence	SI-1
b. Non-fusion Plasmid Map	SI-1
B. Fusion Plasmid Sequence and Map	SI-2
a. Fusion Plasmid Sequence	SI-2
b. Fusion Plasmid Map	SI-2
C. Standard Curve for DTNB	SI-3
D. 78 Compound Library	SI-4

A. Non-fusion Plasmid

a. Non-fusion Plasmid Sequence

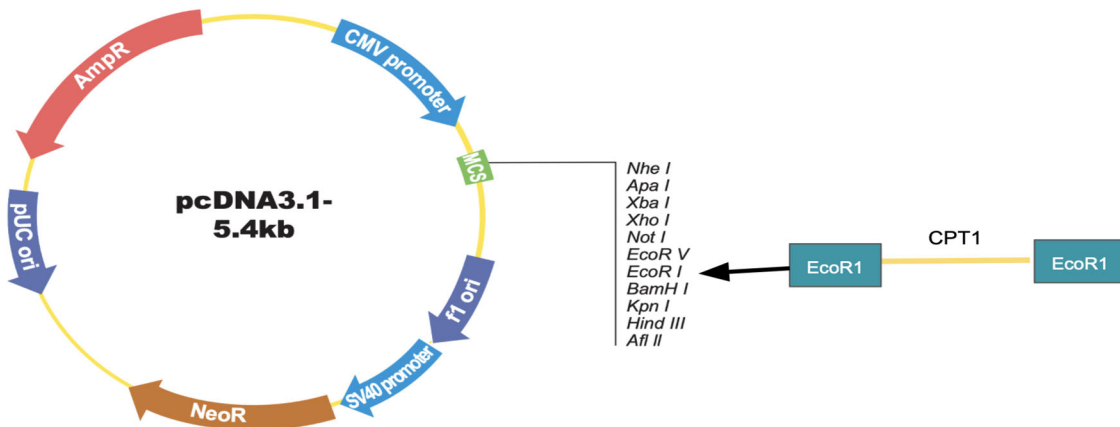
pcDNA3.1

> CPT1A(NM_001876.3) ORF Clone

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b. Non-fusion Plasmid Map



B. Fusion Plasmid

a. Fusion Plasmid Sequence

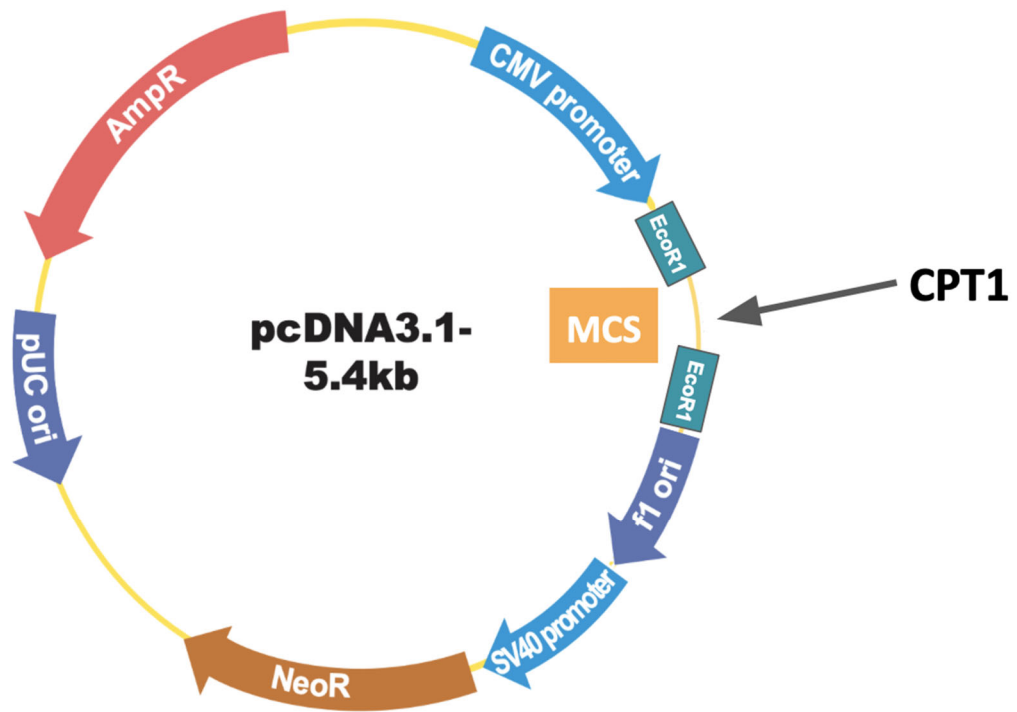
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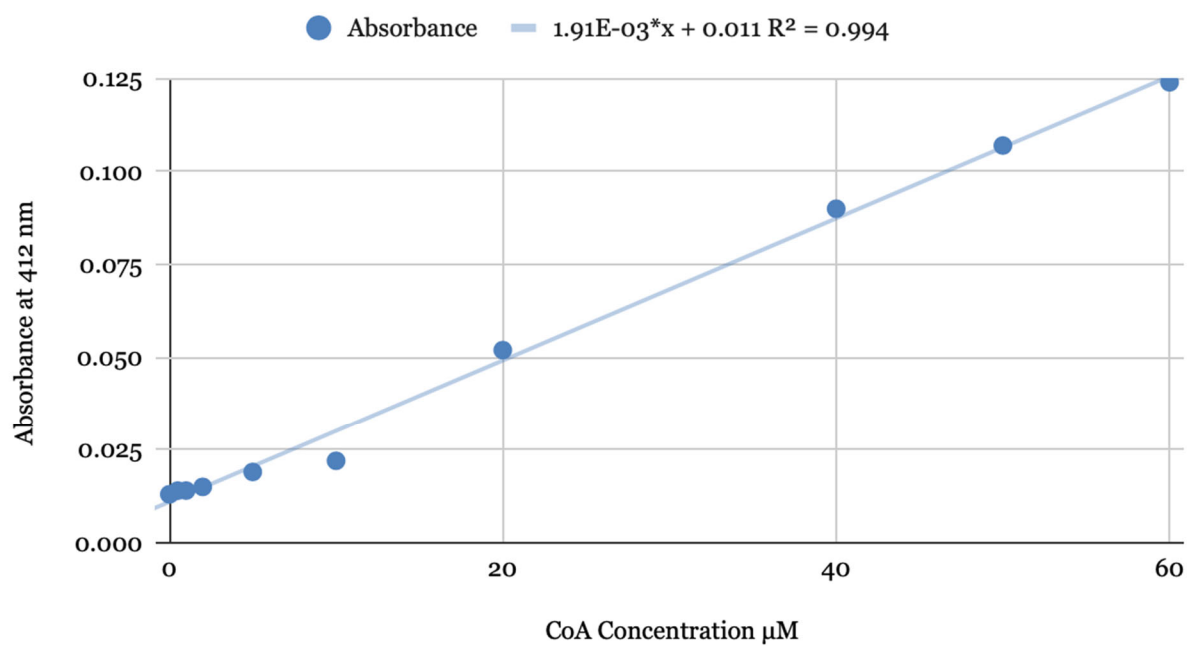
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b. Fusion Plasmid Map



C. Standard Curve for DTNB

Standard curve for DTNB



D. 78 Compound Library

Compounds employed in the sample high throughput screen include:

Compound	Effect	Compound	Effect
Isradipine	No inhibition	5-Fluorouracil	No inhibition
Chlorpromazine	Inhibition	Fludrocortisone acetate	No inhibition
Paliperidone	No inhibition	Fluocinolone Acetonide	No inhibition
Metaxalone	No inhibition	Fludrocortisone acetonide	No inhibition
Levodopa	No inhibition	Betamethasone	No inhibition
Trichlormethiazide	No inhibition	Hydrocortisone	No inhibition
Esomeprazole magnesium	No inhibition	Famotidine	No inhibition
Demeclocycline	No inhibition	3-(2-(tert-butylamino)-1-hydroxyethyl)-2-chlorophenol	No inhibition
Carbidopa	No inhibition	Triamcinolone acetonide	No inhibition
Vincamine	No inhibition	Itraconazole	No inhibition
Berberine chloride	No inhibition	Doxorubicin	No inhibition
Pentoxifylline	No inhibition	Donepezil	No inhibition
Andrographolide	No inhibition	Pramipexole dihydrochloride	No inhibition
Eserine	No inhibition	Oleanolic acid	No inhibition
Erythromycin	No inhibition	Palbociclib	No inhibition
Mesalamine	No inhibition	Pomalidomide	No inhibition
Desloratadine	No inhibition	WZ4002	No inhibition
Nisoldipine	No inhibition	Paroxetine	No inhibition
Felodipine	No inhibition	Motexafin gadolinium	No inhibition
Diltiazem HCl	No inhibition	Raloxifene HCl	No inhibition
Verapamil HCl	No inhibition	Rapamycin	No inhibition

Tolmetin	No inhibition	Camptothecin	No inhibition
Nimodipine	No inhibition	SN-38	No inhibition
Carprofen	No inhibition	5-hydroxypropafenone HCl	No inhibition
Taxol	No inhibition	Tulobuterol	No inhibition
Podophyllotoxin	No inhibition	Galantamine	No inhibition
Papaverine	No inhibition	Ranolazine	No inhibition
Ropinirole HCl	No inhibition	Bupivacaine	No inhibition
Yohimbine HCl	No inhibition	Imipramine	No inhibition
Naringenin	No inhibition	Tramadol	No inhibition
Quinine HCl	No inhibition	Primidone	No inhibition
Quercetin	No inhibition	Carvedilol phosphate	No inhibition
Promethazine	No inhibition	Metoprolol succinate	No inhibition
Nifedipine	No inhibition	Pindolol	No inhibition
Lacosamide	No inhibition	Metformin	No inhibition
Paroxetine HCl	No inhibition	Thalidomide	No inhibition
Venlafaxine HCl	No inhibition	Ketoprofen	No inhibition
S-(-)carvedilol	No inhibition	Mesalamine	No inhibition
Clozapine	No inhibition		