

Product datasheet for **RG208385**

CHPT1 (NM_020244) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHPT1 (NM_020244) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CHPT1
Synonyms:	CPT; CPT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208385 representing NM_020244 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGGCGCCGGGGCCGGGTCGCGCCGCGCTGGCTGAGGGCGCTGAGCGAGCCGCTGAGCGCGG
CGCAGCTGCGGCGACTGGAGGAGCACCGCTACAGCGCGGGCGGTCTCGCTGCTCGAGCCGCCGCTGCA
GCTCTACTGGACCTGGCTGCTCCAGTGGATCCCCTCTGGATGGCCCCAACTCCATCACCTGCTGGG
CTCGCCGTCAACGTGGTACCACGCTCGTCTCATCTCCTACTGTCCCACGGCCACCGAAGAGGCACCAT
ACTGGACATACCTTTTATGTGCACTGGGACTTTTTATTTACCAGTCACTGGATGCTATTGATGGGAAACA
AGCCAGAAGAACAACCTTTGTTCCCTTTAGGGGAGCTCTTTGACCATGGCTGTGACTCTTTCCACA
GTATTTATGGCAGTGGGAGCTTCAATTGCCGCTCGCTTAGGAACTTATCCTGACTGGTTTTTTTTCTGCT
CTTTTATGGGATGTTTGTGTTTTATTGCGCTCATTGGCAGACTTATGTTTCAGGCATGTTGAGATTTGG
AAAAGTGGATGTAACGAAATTCAGATAGCTTTAGTGATTGTCTTTGTGTTGCTGCATTTGGAGGAGCA
ACAATGTGGGACTATACGATTCTATTCTAGAAATAAAATTGAAGATCCTTCCAGTTCTTGGATTCTAG
GTGGAGTAATATTTCTGTTCAAATATTTCCATGTTATCCTCCATGGTGGTGTGGCAAGAATGGATC
CACTATAGCAGGCACCACTGTCTTGTCACTGGACTCCACATAGGACTAATTATTATACTGGCAATAATG
ATCTATAAAAAGTCAGCAACTGATGTGTTGAAAAGCATCCTTTGCTTTTATATCCTAATGTTTGGATGTG
TCTTTGCTAAAAGTCTCACAAAAATTAGTGGTAGCTCACATGACCAAAAGTGAACATATCTTCAAGACAC
TGCTTTTTGGGCCAGGTCTTTTGTGTTTTAGACCAGTACTTTAATAACTTTATAGACGAATATGTTGTT
CTATGGATGGCAATGGTATTCTTCAATTTGATATGGTATATACTTTAGTGCTTTGTGCCTGCAAATTT
CAAGACACCTTCATCTAAATATATTCAAGACTGCATGTCATCAAGCACCTGAACAGGTTCAAGTTCTTTT
TTCAAAGAGTCATCAGAATAACATGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208385 representing NM_020244
 Red=Cloning site Green=Tags(s)

MAAGAGAGSAPRWLRALSEPLSAAQLRRLEEHRYSAAAGVSLLEPPLQLYWTWLLQWIPLWMAPNSITLLG
 LAVNVVTTLVLSYCPATEEAPYWTYLLCALGLFIYQSLDAIDGKQARRTNSCSPLGELFDHGCDLSLST
 VFMAVGASIAARLGTYPDWFFFCFSGFVYCAHWQTYVSGMLRFKQVDVTEIQIALVIVFVLSAFGGA
 TMWDYTIPILEIKLKILPVLGFLGGVIFSCSNYFHVILHGGVGVKNGSTIAGTSVLSPLHIGLIIILAIM
 IYKKSATDVFEKHPCLYILMFGCVFAKVSQKLVVAHMTKSELYLQDQTVFLGPGLFLDQYFNNFIDEYVV
 LWMAMVISSFDMVIYFSALCLQISRHLHLNIFKTACHQAPEQVQVLSKSHQNNMD

TRTRPLE - GFP Tag - V

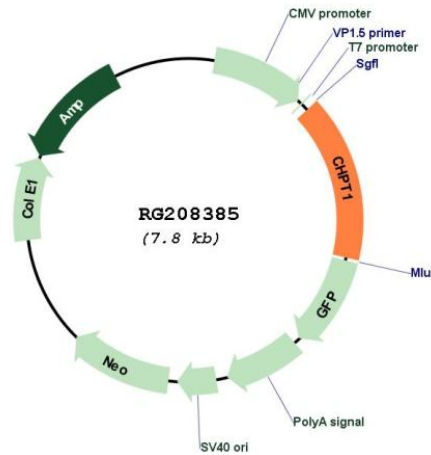
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_020244

ORF Size:	1218 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_020244.3
RefSeq Size:	1567 bp
RefSeq ORF:	1221 bp
Locus ID:	56994
UniProt ID:	Q8WUD6
Cytogenetics:	12q23.2
Domains:	CDP-OH_P_transf
Protein Families:	Transmembrane
Protein Pathways:	Ether lipid metabolism, Glycerophospholipid metabolism, Metabolic pathways
Gene Summary:	Catalyzes phosphatidylcholine biosynthesis from CDP-choline. It thereby plays a central role in the formation and maintenance of vesicular membranes.[UniProtKB/Swiss-Prot Function]