

Product datasheet for **TP308130M**

PCYT1A (NM_005017) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphate cytidyltransferase 1, choline, alpha (PCYT1A), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208130 representing NM_005017 Red =Cloning site Green =Tags(s)

MDAQCSAKVNARKRRKEAPGPNNGATEEDGVPSKVQRCAVGLRQPAPFSDEIEVDFSKPYVVRTMEEASRG
TPCERPVRVYADGIFDLFHSGHARALMQAKNLPNTYLIVGVCSDELTHNFKGFTVMNENERYDAVQHCR
YVDEVVRNAPWTLTPEFLAEHRIDFVAHDDIPYSSAGSDDVYKHIKEAGMFAPTQRTEGISTSIDIITRIV
RDYDVYARRNLQRGYTAKELNVSFINEKKYHLQERVDKVKKKVKDVEEKSEKFEVQKVEEKSIDLIQKWEE
KSREFIGSFLEMFGPEGALKHMLKEGKGRMLQAISPKQSPSSPTRERSPPSFRWPFSGKTSPPCSPAN
LSRHKAAAYDISEDEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	41.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_005008</u>



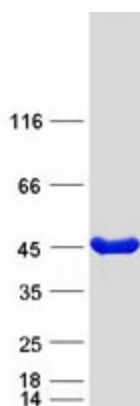
[View online »](#)

Locus ID: 5130
UniProt ID: [P49585](#)
RefSeq Size: 1677
Cytogenetics: 3q29
RefSeq ORF: 1101
Synonyms: CCTA; CCTalpha; CT; CTA; CTPCT; PCYT1; SMDCRD

Summary: This gene belongs to the cytidyltransferase family and is involved in the regulation of phosphatidylcholine biosynthesis. Mutations in this gene are associated with spondylometaphyseal dysplasia with cone-rod dystrophy. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2015]

Protein Pathways: Glycerophospholipid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified PCYT1A protein (Cat# [TP308130]). The protein was produced from HEK293T cells transfected with PCYT1A cDNA clone (Cat# [RC208130]) using MegaTran 2.0 (Cat# [TT210002]).