Phosphate Cytidylyltransferase 1, Choline Beta Recombinant Protein | PCYT1b recombinant protein

Recombinant Phosphate Cytidylyltransferase 1, Choline Beta (PCYT1b)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA150294	**E.coli**	**Mus musculus (Mouse)**	**Western Blot, SDS-Page**

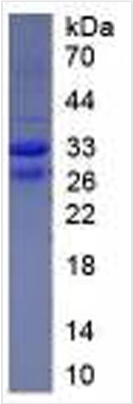
PRODUCT SYNONYMS

Phosphate Cytidylyltransferase 1; Choline Beta; Recombinant Phosphate Cytidylyltransferase 1; Choline Beta (PCYT1b); CTB; CCTB; CCT-beta; Phosphorylcholine transferase B; CTP:phosphocholine cytidylyltransferase B; PCYT1b recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 800ug/mL (varies by lot)
Applicable Applications for PCYT1b recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	His62~Thr295
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	8.2
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

HARALMQAK TLFPNSYLLV GVCSDDLTHK FKGFTVMNEA ERYEALRHCR YVDEVIRDAP
WTLTPEFLEK HKIDFVAHDD IPYSSAGSDD VYKHIKEAGM FVPTQRTEGI STSDIITRIV
RDYDVYARRN LQRGYTAKEL NVSFINEKKY RFQNQVDKMK EKVKNVEERS KEFVNRVEEK
SHDLIQKWEE KSREFIGNFL ELFGPDGAWK QMFQERSSRM LQALSPKQSP VSSPT

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for PCYT1b recombinant protein	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	29164513
NCBI GeneID	236899
NCBI Accession #	NP_808214.1
NCBI GenBank Nucleotide #	NP_808214.1
UniProt Accession #	Q811Q9
Molecular Weight	Predicted Molecular Mass: 31.1kDa Accurate Molecular Mass: 27 & 31kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	choline-phosphate cytidylyltransferase B isoform 2
NCBI Official Synonym Full Names	phosphate cytidylyltransferase 1, choline, beta isoform
NCBI Official Symbol	Pcyt1b
NCBI Official Synonym Symbols	CTTbeta; AW045697
NCBI Protein Information	choline-phosphate cytidylyltransferase B
UniProt Protein Name	Choline-phosphate cytidylyltransferase B
UniProt Gene Name	**Pcyt1b**
UniProt Synonym Gene Names	CCT B; CT B
UniProt Entry Name	PCY1B_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/pcyt1b-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/150294