

hCG_1745121 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5961b**Specification**

hCG_1745121 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [A4D126](#)
Other Accession [NP_001094896.1](#)

hCG_1745121 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 729920

Other Names

Isoprenoid synthase domain-containing protein, 277-, 2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase-like protein, ISPD

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

hCG_1745121 Antibody (C-term) Blocking peptide - Protein Information

Name CRPPA ([HGNC:37276](#))

Function

Cytidylyltransferase required for protein O-linked mannosylation (PubMed:22522420, PubMed:27130732, PubMed:27601598, PubMed:26687144, PubMed:22522421, PubMed:26923585). Catalyzes the formation of CDP-ribitol nucleotide sugar from D-ribitol 5-phosphate (PubMed:27130732, PubMed:26687144, PubMed:26923585). CDP-ribitol is a substrate of FKTN during the biosynthesis of the phosphorylated O- mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N- acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity (PubMed:27130732, PubMed:<a

[26687144](http://www.uniprot.org/citations/26687144), PubMed: [26923585](http://www.uniprot.org/citations/26923585)). Shows activity toward other pentose phosphate sugars and mediates formation of CDP-ribulose or CDP-ribose using CTP and ribulose-5-phosphate or ribose-5-phosphate, respectively (PubMed: [26687144](http://www.uniprot.org/citations/26687144)). Not Involved in dolichol production (PubMed: [26687144](http://www.uniprot.org/citations/26687144)).

Cellular Location

Cytoplasm, cytosol.

Tissue Location

Ubiquitously expressed, with high expression in brain.

hCG_1745121 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

hCG_1745121 Antibody (C-term) Blocking peptide - Images