

AP05306CP-N**CERTL control peptide****Alternate names:**

CERT, Ceramide transfer protein, Collagen type IV alpha-3-binding protein, GPBP, Goodpasture antigen-binding protein, STARD11, START domain-containing protein 11, StAR-related lipid transfer protein 11, StARD11, hCERT

Quantity:

50 µg

Concentration:

Lot specific

Background:

CERT mediates the ATP-dependent ER-to-Golgi transfer of ceramide in a non-vesicular manner. The biosynthesis of lipids involves steps that occur in different intracellular compartments. The movement of lipids within these compartments is important in lipid-mediated signalling. Human CERT is identical to a splice variant of human Goodpasture antigen-binding protein (GPBP26). CERT contains a phosphoinositide-binding pleckstrin-homology (PH) domain (which targets CERT to the Golgi by binding phosphatidylinositol-4-phosphate (PtdIns4P)), a middle region, and a putative lipid-transfer-catalysing domain called START. CERT and CERTL can specifically extract ceramide from phospholipid bilayers in a START-domain-dependent manner. CERT interacts with ER membranes and specifically extracts ceramide. CERT catalyses both the specific extraction of ceramide from donor vesicles and its transfer to acceptor vesicles. CERT can associate with the Golgi in a PtdIns4P dependent manner.

Uniprot ID:

[Q9Y5P4](#)

NCBI:

[NP_001123577.1](#)

GeneID:

[10087](#)

Isotype:

IgG

Format:

State: Liquid purified peptide

Buffer System: Phosphate buffered saline with 0.08% sodium azide

Applications:

Western blot.

Positive control: Ovary

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Control peptide for antibodies AP05306PU-N and AP05306SU-N only.

Storage:

Store at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.