

Recombinant human CERT1 protein

Catalog Number: ATGP0579

PRODUCT INFORMATION

Expression system

E.coli

Domain

347-598aa

UniProt No.

Q9Y5P4

NCBI Accession No.

NP_112729

Alternative Names

Ceramide transporter 1, Collagen type IV alpha-3-binding protein, Goodpasture antigen-binding protein, GPBP, START domain-containing protein 11, StARD11, StAR-related lipid transfer protein 11, CERT, COL4A3BP

PRODUCT SPECIFICATION

Molecular Weight

32.9 kDa (290aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CERT is a kinase that specifically phosphorylates the N-terminal region of the non-collagenous domain of the alpha 3 chain of type IV collagen, known as the Goodpasture antigen. Goodpasture disease is the result of an autoimmune response directed at this antigen. One isoform of this protein is also involved in ceramide intracellular transport. Recombinant human CERT protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

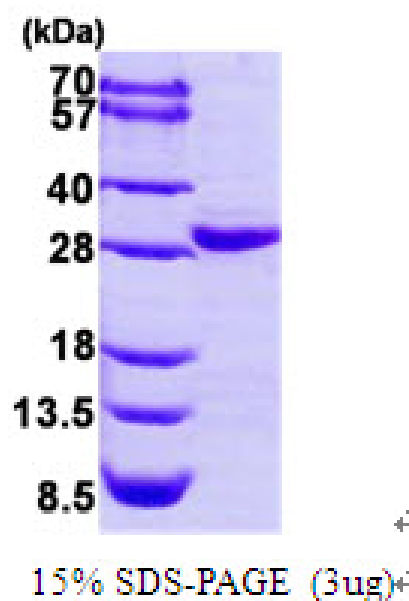
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWAGSM>LH WPTSLPSGDA FSSVGTHRFV QKVEEMVQNH
MTYSLQDVGG DANWQLVVEE GEMKVYRREV EENGIVLDPL KATHAVKGV T GHEVCNYFWN VDVRNDWETT
IENFHVETL ADNIIYYQT HKRVWPASQR DVLYLSVIRK IPALTENDPE TWIVCNFSVD HDSAPLNNRC VRAKINVAMI
CQTLVSPPEG NQEISRDNIL CKITYVANVN PGGWAPASVL RAVAKREYPK FLKRFTSYVQ EKTAGKPILF

General References

Turner N., et al. (1992) J Clin Invest 89(2):592-601.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.