

Recombinant Human CERT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CERT1-4091H Lot. No. (See product label)

SPECIFICATION

Product Overview	COL4A3BP MS Standard C13 and N15-labeled recombinant protein (NP_112729) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes 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. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	67.8 kDa
AA Sequence	MSDNQSWNSSGSEEDPETESGPPVERCGVLSKWTNYIHGWQDRWVVLKNNALSY YKSEDETEYGCRGSICLSKAVITPHDFDECRFDISVNDVWYLRAQDPDHRQQWID AIEQHKTESGYGSESSLRRHGSMVSLVSGASGYATSTSSFKKGHSLREKLAEMET FRDILCRQVDTLQKYFDACADAVSKDELQRDKVVEDDEDDFPTTRSDGDFLHSTNG NKEKLFPHVTPKINGIDFKGEAITFKATTAGILATLSHCIELMVKREDSWQKRLDKET EKKRRTEEAYKNAMTELKKKSHFGGPDYEEGPNSLINEEEFFDAVEAALDRQDKIEE QSQSEKVRHLHWPTSLPSGDAFSSVGTHRFVQKVEEMVQNHMTYSLQDVGGDANW

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QLVVEEGEMKVYRREVEENGIVLDPLKATHAVKGVGTGHEVCNYFWNVDRNDWET
 TIENFHVVETLADNAILIYQTHKRVWPASQRDVLVLSVIRKIPALTENDPETWIVCNFSV
 DHDSAPLNNRCVRAKINVAMICQTLVSPPEGNQEISRDNILCKITYVANVNPGGWAP
 ASVLRAVAKREYPKFLKRFTSYVQEKTAGKPILFSGPTRTRRLEQKLISEEDLAANDIL
 DYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CERT1 ceramide transporter 1 [Homo sapiens (human)]

Official Symbol CERT1

Synonyms CERT1; ceramide transporter 1; CERT; GPBP; CERTL; MRD34; STARD11; COL4A3BP; ceramide transfer protein; StAR-related lipid transfer (START) domain containing 11; collagen type IV alpha 3 binding protein; collagen, type IV, alpha 3 (Goodpasture antigen) binding protein; lipid-transfer protein CERTL; EC 2.7.11.1

Gene ID 10087

mRNA Refseq NM_031361

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Protein Refseq	NP_112729
MIM	604677
UniProt ID	Q9Y5P4

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