Recombinant Human COL4A3BP, His-tagged

Cat. No. COL4A3BP-2488H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CERT protein, fused to His-tag at N-terminus, was expressed in*E.coli*and purified by using conventional chromatography techniques.MW = 33.1 kDa (290aa).
Species	Human
Source	E.coli
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
Purity	> 95% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWAGSMLH WPTSLPSGDA FSSVGTHRFV QKVEEMVQNH MTYSLQDVGG DANWQLVVEE GEMKVYRREV EENGIVLDPL KATHAVKGVT GHEVCNYFWN VDVRNDWETT IENFHVVETL AD NA I IIYQT HKRVWPASQR DVLYLSVIRK IPALTENDPE TWIVCNFSVD HDSAPLNNRC VR AKINVAMI CQTLVSPPEG NQEISRDNIL CKITYVANVN PGGWAPASVL RAV AK

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	R EYPK FLKRFTSYVQ EKTAGKPILF.
Storage	can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	COL4A3BP collagen, type IV, alpha 3 (Goodpasture antigen) binding protein [Homo sapiens]
Synonyms	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein; CERT; GPBP; CERTL; STARD11; FLJ20597; COL4A3BP; collagen type IV alpha-3-binding protein; hCERT; OTTHUMP00000222113; ceramide transporter; ceramide transfer protein; START domain containing 11; lipid-transfer protein CERTL; START domain-containing protein 11; Goodpasture antigen-binding protein; stAR-related lipid transfer protein 11; StAR-related lipid transfer (START) domain containing 11;alpha 3 type IV collagen binding protein; Ceramide transfer protein; StARD11
Gene ID	10087
mRNA Refseq	NM_001130105
Protein Refseq	NP_001123577
MIM	604677
UniProt ID	Q9Y5P4
Chromosome Location	5q13.3
Pathway	Metabolism of lipids and lipoproteins

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Function	protein binding; protein kinase activity

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