

**CERT, 347-598aa, Human, His tag, E.coli**

**Cat.NO.: TP01582**

3th Edition

**Synonyms:**Collagen, type IV, alpha 3 binding protein, COL4A3BP, CERTL, GPBP, STARD11

**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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

**Molecular Weight:**33.1 kDa (290aa) confirmed by MALDI-TOF

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWAGSMLHWPTSLPSGDAFSSVGTHRFVQKVEEMVQNHM  
TYSLQDVGGDANWQLVVEEGEMKVYRREVEENGIVLDPLKATHAVKGVGTGHEVCNYFWNVDRNDWETTIENTFH  
VVETLADNIIYYQTHKRVWPASQRDVLVLSVIRKIPALTENDPETWIVCNFSVDHDSAPLNNRCVRAKINVAMICQTL  
VSPPEGNQEISRDNILCKITYVANVNPGGWAPASVLRAVAKREYPKFLKRFTSYVQEKTAGKPILF

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.