

Recombinant Full Length Human COL4A3BP Protein, GST-tagged

Cat. No. COL4A3BP-2164HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COL4A3BP full-length ORF (NP_112729.1, 1 a.a. - 598 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	598 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	94.4 kDa
AA Sequence	MSDNQSWNSSGSEEDPETESGPPVERCGVLSKWTNYIHGWQDRWVVLKNNALS YKSEDETEYGCRGSICLSKAVITPHDFDECRFDISVNDVWYLRQDPDHRQQWID AIEQHKTESGYGSESSLRRHGSMSVSLVSGASGYSATSTSSFKKGHSLREKLAEMET FRDILCRQVDTLQKYFDACADAVSKDELQRDKVVEDDEDDFPTTRSDGDFLHSTNG NKEKLFPHVTPKGINGIDFKGEAITFKATTAGILATLSHCIELMVKREDSWQKRLDKET EKKRRTEEAYKNAMTELKKSHPFGPDYEEGPNSLINEEEFFDAVEAALDRQDKIEE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QSQSEKVRHLHWPTSLPSGDAFSSVGTGRFVQKVEEMVQNHMTYSLQDVGGDANW
 QLVVEEGEMKVYRREVEENGIVLDPLKATHAVKGVGTGHEVCNYFWNVDRNDWET
 TIENFHVVETLADNIIYQTHKRVWPASQRDVLVSVIRKIPALTENDPETWIVCNFSV
 DHDSAPLNNRCVRAKINVAMICQTLVSPPEGNQEISRDNILCKITYVANVNPGGWAP
 ASVLRVAVAKREYPKFLKRFTSYVQEKTAGKPILF

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes
 Best use within three months from the date of receipt of this protein.

Storage
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name
 COL4A3BP collagen, type IV, alpha 3 (Goodpasture antigen) binding protein [Homo sapiens]

Official Symbol
 COL4A3BP

Synonyms
 COL4A3BP; collagen, type IV, alpha 3 (Goodpasture antigen) binding protein; collagen type IV alpha-3-binding protein; ceramide transporter; CERT; GPBP; StAR related lipid transfer (START) domain containing 11; STARD11; hCERT; ceramide transfer protein; lipid-transfer protein CERTL; StAR-related lipid transfer (START) domain containing 11; CERTL; FLJ20597

Gene ID
 10087

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mRNA Refseq	NM_001130105
Protein Refseq	NP_001123577
MIM	604677
UniProt ID	Q9Y5P4

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