

Recombinant Human COL4A3BP Protein, GST-tagged

Cat. No. COL4A3BP-1652H 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	Wheat Germ
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	MSDNQSWNSSGSEEDPETESGPPVERCGVLSKWTNYIHGWQDRWVVLKNNALSY YKSEDETEYGCRGSICLSKAVITPHDFDECRFDISVNSDVWYLRAQDPDHRQQWID AIEQHKTESGYGSESSLRRHGSMSVSLVSGASGYSATSTSSFKKGHSLREKLAEMET FRDILCRQVDTLQKYFDACADAVSKDELQRDKVVEDDEDDFPTTRSDGDFLHSTNG NKEKLFPHVTPKINGIDFKGEAITFKATTAGILATLSHCIELMVKREDSWQKRLDKET EKRRRTEEAYKNAMTELKKKSHFGGPDYEEGPNSLINEEEFFDAVEAALDRQDKIEE QSQSEKVRHLHWPTSLPSGDAFSSVGTHRFVQKVEEMVQNHMTYSLQDVGGDANW QLVVEEGEMKVYRREVEENGIVLDPLKATHAVKGVGTGHEVCNYFWNVDRNDWET

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TIENFHVVETLADNAIIIYQTHKRVWPASQRDVLVYLSVIRKIPALTENDPETWIVCNFSV
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
mRNA Refseq	NM_001130105

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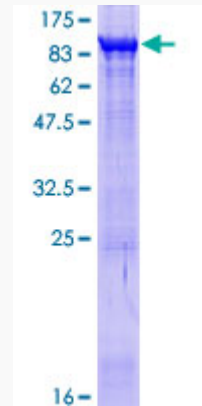
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Protein Refseq NP_001123577

MIM 604677

UniProt ID Q9Y5P4

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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