

## Recombinant Human COL4A3BP, GST-tagged

**Cat. No.** COL4A3BP-11434H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human COL4A3BP protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	C-227a.a.
<b>Description</b>	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.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

<b>Gene Name</b>	COL4A3BP collagen, type IV, alpha 3 (Goodpasture antigen) binding protein [ Homo
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 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

	<a href="#">sapiens ]</a>
<b>Official Symbol</b>	COL4A3BP
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">10087</a>
<b>mRNA Refseq</b>	<a href="#">NM_001130105</a>
<b>Protein Refseq</b>	<a href="#">NP_001123577</a>
<b>MIM</b>	<a href="#">604677</a>
<b>UniProt ID</b>	<a href="#">Q9Y5P4</a>
<b>Chromosome Location</b>	5q13.3
<b>Pathway</b>	Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Sphingolipid de novo biosynthesis, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem;
<b>Function</b>	ceramide binding; phosphatidylinositol-4-phosphate binding; protein binding; protein kinase activity;

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