

Recombinant Human COL4A3BP, His-tagged

Cat. No. COL4A3BP-26193TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 347-598 of Human COL4A3BP with N terminal His tag; 290aa with tag, 33.1kDa.
Species	Human
Source	E.coli
ProteinLength	252 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.
Conjugation	HIS
Molecular Weight	33.100kDa inclusive of tags
Tissue specificity	Widely expressed.
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWAGSMLH WPTSLPSGDA FSSVGTHRFV QKVEEMVQNH MTYSLQDVGG DANWQLVVEE GEMKVYRREV EENGIVLDPL KATHAVKGV T GHEVCNYFWN VDVRNDWETT IENFHVVETL ADNIIIIYQT HKRVWPASQR DVLVLSVIRK IPALTENDPE TWIVCNFSVD HDSAPLNNRC VRAKINVAMI CQTLVSPPEG NQEISRDNIL CKITYVANVN PGGWAPASVL RAVAKREYPK FLKRFTSYVQ EKTAGKPILF
Sequence Similarities	Contains 1 PH domain. Contains 1 START domain.

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;
Gene ID	10087
mRNA Refseq	NM_001130105

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Protein Refseq	NP_001123577
MIM	604677
Uniprot ID	Q9Y5P4
Chromosome Location	5q13.3
Pathway	Metabolism of lipids and lipoproteins, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem;
Function	ceramide binding; phosphatidylinositol-4-phosphate binding; protein binding; protein kinase activity;

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