

## KidneySeq™ Glomerulopathies

Cost: \$2000 | CPT Codes: 81404, 81405, 81406, 81407, 81479

Disease	Inheritance Pattern	Gene(s)
Alport syndrome	AD, AR	COL4A3, COL4A4
	XLD	COL4A5
	XLR	COL4A6
Alstrom syndrome	AR	ALMS1
Amyloidosis, hereditary	AD	APOA1, B2M, FGA, GSN, LYZ, NLRP3, TNFRSF1A, TTR
Congenital lung disease, nephrotic syndrome, and mild epidermolysis bullosa	AR	ITGA3
Congenital nephrotic syndrome	AR	LAMB2, MAGI2, NPHS1, NPHS2, PLCE1, WT1
COQ2 nephropathy	AR	COQ2
Denys-Drash syndrome; Frasier syndrome	AD	WT1
Diffuse mesangial sclerosis	AR	ARHGDI1, PLCE1, WT1
Epstein/Fechtner - renal disease with macrothrombocytopenia	AD	MYH9
Fabry disease	XL	GLA
Familial lecithin cholesterol acyltransferase (LCAT) deficiency	AR	LCAT
Familial Mediterranean Fever	AD, AR	MEFV
Focal segmental glomerulosclerosis (FSGS) AD/XL	AD	ACTN4, ANLN, ARHGAP24, CD2AP, CFI, COL4A3, COL4A4, E2F3, INF2, LMX1B, PAX2, PODXL, TRPC6, WT1
	XL	COL4A5
Focal segmental glomerulosclerosis (FSGS) AR	AR	APOL1, COQ6, COQ8B, CRB2, ITGB4, LAMA5, MYO1E, NPHP4, NUP133, NUP160, NUP85, TTC21B
Focal segmental glomerulosclerosis (AR)/SRNS	AR	ALG1, ANKFY1, ARHGDI1, COQ8B, CUBN, DGKE, DHTKD1, DLC1, EMP2, FAT1, GAPVD1, LAMB2, NPHS1, NPHS2, NUP107, NUP205, NUP93, PLCE1, PDSS2, PMM2, PTPRO, SCARB2, SGPL1, XPO5, ZMPSTE24
Focal segmental glomerulosclerosis (FSGS) with Duane retraction syndrome	AD	MAFB
Galloway-Mowat syndrome	AR	GON7*, NUP133, OSGEP, TP53RK, TPRKB, WDR73, YRDC*
	XLR	LAGE3
Glomerulopathy with fibronectin deposits	AD	FN1
Infantile sialic acid storage disease	AR	SLC17A5
Lipodystrophy, familial, partial	AD	LMNA
Lipoprotein glomerulopathy		APOE
Muckle-Wells syndrome	AD	NLRP3
Nail patella syndrome	AD	LMX1B
Nephropathy with pretibial epidermolysis bullosa and deafness	AR	CD151
Nephrotic syndrome*	AR	COQ8B*, ITSN1*, ITSN2*, KIRREL1*, TNS2
Nephrotic syndrome – steroid sensitive		CDK20*, DLG5*, PLCG2
Pierson syndrome – nephrotic syndrome with microcoria	AR	LAMB2
Primary macronodular adrenal hyperplasia*		GNAS*
Thin basement membrane disease (benign familial hematuria)	AD	COL4A3, COL4A4

\*New to KidneySeq™