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| Human Fibrosis PCR Array |
| Pro-Fibrotic: ACTA2 (α -SMA), AGT, CCL11 (Eotaxin), CCL2 (MCP-1), CCL3 (MIP-1a), CTGF, GREM1, IL13, |
| IL13RA2, IL4, IL5, SNAI1 (Snail). |
| Anti-Fibrotic: BMP7, HGF, IFNG, IL10, IL13RA2. |
| Extracellular Matrix & Cell Adhesion: |
| <u>ECM Components:</u> COL1A2, COL3A1. |
| <u>Remodeling Enzymes:</u> LOX, MMP1 (Collagenase 1), MMP13, MMP14, MMP2 (Gelatinase A), MMP3, MMP8, MMP9 |
| (Gelatinase B), PLAT (tPA), PLAU (uPA), PLG, SERPINA1 (α 1-antitrypsin), SERPINE1 (PAI-1), SERPINH1, TIMP1, |
| TIMP2, TIMP3, TIMP4. |
| <u>Cellular Adhesion:</u> ITGA1, ITGA2, ITGA3, ITGAV, ITGB1, ITGB3, ITGB5, ITGB6, ITGB8. |
| Inflammatory Cytokines & Chemokines: CCL11 (Eotaxin), CCL2 (MCP-1), CCL3 (MIP-1a), CCR2, CXCR4, IFNG, |
| IL10, IL13, IL13RA2, IL1A, IL1B, IL4, IL5, ILK, TNF. |
| Growth Factors: AGT, CTGF, EDN1, EGF, HGF, PDGFA, PDGFB, VEGFA. |
| Signal Transduction: |
| <u>TGFβ Superfamily:</u> BMP7, CAV1, DCN, ENG (EVI-1), GREM1, INHBE, LTBP1, SMAD2, SMAD3, SMAD4, SMAD6, |
| SMAD7, TGFB1, TGFB2, TGFB3, TGFBR1 (ALK5), TGFBR2, TGIF1, THBS1, THBS2 |
| <u>Transcription Factors:</u> CEBPB, JUN, MYC, NFKB1, SP1, STAT1, STAT6 |
| Epithelial-to-Mesenchymal Transition: AKT1, BMP7, COL1A2, COL3A1, ILK, ITGAV, ITGB1, MMP2 (Gelatinase |
| A), MMP3, MMP9, SERPINE1 (PAI-1), SMAD2, SNAI1 (Snail), TGFB1, TGFB2, TGFB3, TIMP1. |
| Others: BCL2, FASLG (TNFSF6). |