CLAIMS

1. A method for differentiating PDX1-positive pancreatic progenitor cells into NKX6.1 positive pancreatic progenitor cells with a culture medium comprising a) KGF and b) SANT1, wherein the culture medium is substantially free of a Protein Kinase C (PKC) Activator.

2. The method of claim 1, wherein the PKC Activator is Phorbol 12,13-dibutyrate (PdBu) or TPB.

3. The method of claim 1, wherein the PKC Activator is PdBu.

4. The method of claim 1, wherein the PKC Activator is TPB.

5. The method of claim 1, wherein the culture medium further comprises retinoic acid (RA).

6. A method for differentiating PDX1-positive pancreatic progenitor cells into NKX6.1 positive pancreatic progenitor cells with a culture medium comprising a) KGF and b) SANT1, wherein the culture medium is substantially free of a BMP signaling pathway inhibitor.

7. The method of claim 6, wherein the BMP signaling pathway inhibitor is selected from the group consisting of noggin, chordin, gremlin, follistatin and LDN 193189

8. The method of claim 6, wherein the BMP signaling pathway inhibitor is noggin.

9. The method of claim 6, wherein the BMP signaling pathway inhibitor is chordin.

10. The method of claim 6, wherein the BMP signaling pathway inhibitor is gremlin.

11. The method of claim 6, wherein the BMP signaling pathway inhibitor is follistatin.

12. The method of claim 6, wherein the BMP signaling pathway inhibitor is LDN 193189.