



Qkine

TGF- β 1 PLUS (Qk010)

The first animal-free TGF- β 1.

A breakthrough for chemically defined stem cell media, Qkine optimized TGF- β 1 PLUS in an engineered form of TGF- β 1 which allows it to be produced in a fully animal-free E.Coli expression system. TGF- β 1 PLUS efficiently maintains pluripotency in induced pluripotent and embryonic stem cell culture and has been benchmarked against mammalian expressed TGF- β 1 from other suppliers.



- high purity protein with exceptional lot-to-lot consistency
- suitable for chemically defined stem cell media
- animal origin-free manufacturing process

qkine.com
proteins@qkine.com

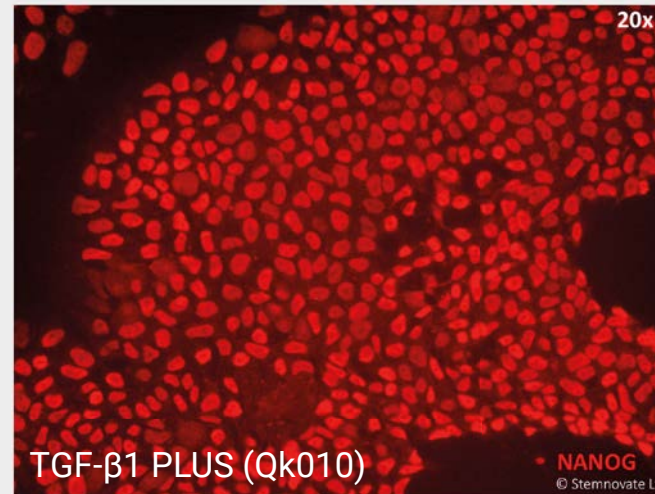
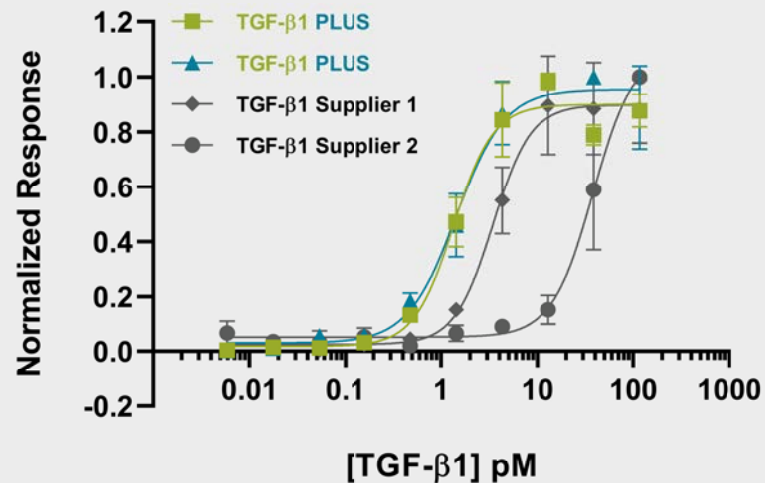
Qkine

animal-free TGF- β 1 PLUS (Qk010)

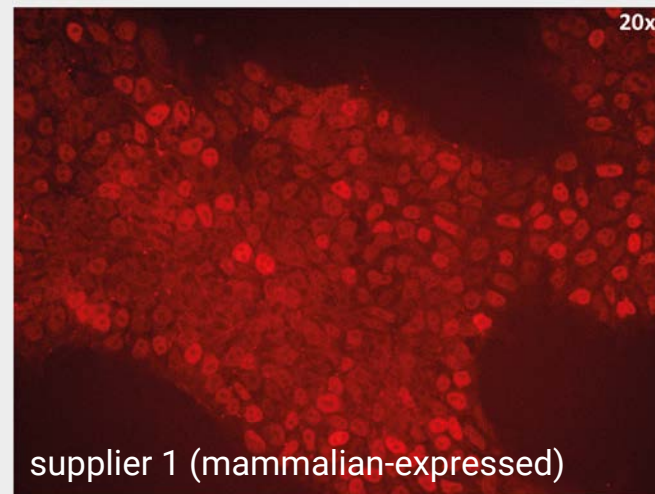
Qkine

Highly pure, animal-free, protein with extensive biochemical and quantitative bioactivity data to ensure reproducible and scalable stem cell maintenance.

Quantitative luciferase reporter assays shows TGF- β 1 PLUS (Qk010) has consistent high bioactivity when compared directly to TGF β 1 produced in mammalian expression systems from two other suppliers



Comparison between Qkine TGF- β 1 PLUS (animal-free) and mammalian expressed TGF- β 1 sourced from a commercial supplier.



TGF- β 1 PLUS promotes efficient maintenance of iPSCs at just 1ng/ml, with highly homogeneous expression of the pluripotency marker, Nanog.