

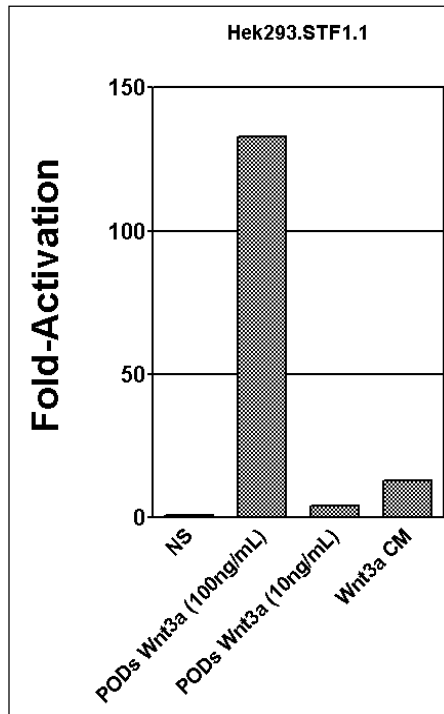
## PODS™ Human Wnt-3a (Cat PPH300)

Comparison of Wnt-3a conditioned media and PODS™ Human Wnt-3a

Data Courtesy of Cu Nguyen and Michael Kahn, Keck School of Medicine, USC

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Cell type	Human Kidney Cell Line, Hek293.STF1.1
Culture format	96-well plate
Media replenishment	Assay performed after 24 hours culture with PODS™ crystals
Assay	Luciferase activity was measured by renilla counts



**Assay results** Equivalent PODS™ Wnt-3a protein concentrations were calculated assuming 50 million PODS™ crystals generates a peak available concentration of 3.3 µg. Compared to Wnt-3a conditioned media, 100 ng/ml equivalent (approx.  $1.5 \times 10^6$  PODS /ml) produced markedly higher levels of luciferase activity.

**Comments** PODS™ Wnt-3a crystals provide sustained release which peaks 48 hours after addition to the cell culture. This assay was performed after 24 hours. The use of Wnt-3a conditioned media is widespread reflecting both the difficulty and cost of obtaining pure preparation of Wnt-3a using standard recombinant production techniques.