

ANTIGENIX AMERICA Inc.

PRODUCT INFORMATION SUMMARY

Human DKK-1

(Dickkopf-related Protein-1)

PRODUCT NUMBER	HC67719A	2.0 ug
	HC67719B	10.0 ug

DESCRIPTION:

Human DKK-1 is member of family of DKK proteins (includes DKK-2, DKK-3, DKK-4) that work as antagonists for Wnt signaling. DKK-1 and DKK-4 are involved in regulation of the Wnt/beta-catenin signaling pathway by forming complexes with LDL-receptor-related proteins that inhibit signaling system. This signaling is believed to be important for development of the posterior (head formation) in vertebrates.

Human DKK-1 is a 35-40 kDa glycoprotein containing 235 aa.
Molecular weight approx. 25.8 kDa

SOURCE:

HEK293 cells
Purity greater than 98% by HPLC analysis.
Endotoxin level less than 0.1 ng per ug DKK-1.

HANDLING AND STORAGE:

Spin-down vial before reconstitution. Lyophilized, purified reconstitute with 50 uL of sterile **or** distilled water. Further dilute in PBS or other aqueous buffers. This can be stored in small aliquots frozen at -20° C.

BIOACTIVITY:

Ability to inhibit mouse Wnt3a induced luciferase activity in HEK293 cells.

X-Reactivity: observed to react in Mouse and Rat models

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