Recombinant Human Wnt3a/Wnt-3a

Catalog Number: PKSH033972

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description		
Species	Human	
Calculated MW	58.5 kDa	
Observed MW	66-73 kDa	
Bio-activity	Measured by its ability to induce Topflash reporter activity in HEK293T human	
	embryonic kidney cells. The ED_{50} for this effect is 20-80 ng/ml.	
Properties		
Purity	> 95 % as determined by reducing SDS-PAGE.	
Concentration	Subject to label value.	
Endotoxin	< 0.01 EU per µg of the protein as determined by the LAL method.	
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.	
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel	
	packs. Upon receipt, store it immediately at $< -20^{\circ}$ C.	
Formulation	Supplied as a 0.2 µm filtered solution of 25mM Tris-HCl, 500mM NaCl, pH8.2.	

Data

kDa	МК	R
180 135		w.
100		
75	-	
65	-	. ===
45	-	



> 95 % as determined by reducing SDS-PAGE.

Measured by its ability to induce Topflash reporter activity in HEK293T human embryonic kidney cells.The ED50 for this effect is 20-80 ng/ml.



Elabscience®

Mouse Colon organoids were cultured with EGF (PKSH033687), Wnt3a (PKSH033972), Noggin (PKSM041300), and R-spondin 1 (PKSH033007). The organoids showed good morphology.

Background

Wnt-3a is one of 19 vertebrate members of the Wingless-type MMTV integration site (Wnt) family of highly conserved cysteine-rich secreted glycoproteins important for normal developmental processes.Required for normal embryonic mesoderm development and formation of caudal somites. Required for normal morphogenesis of the developing neural tube (By similarity). Mediates self-renewal of the stem cells at the bottom on intestinal crypts (in vitro).