

重组人Wnt3a V3蛋白

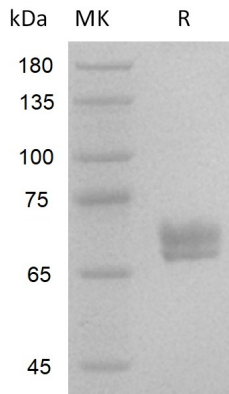
Wnt3a V3,Human,Recombinant

Cat. No.: MA1384-1 Size: 10 μ g

Source:	Human cells
Description:	Recombinant Human Wnt3a V3 is a Wnt Surrogate Protein and is produced by our Mammalian expression system.
Known As:	Wnt Surrogate-Fc Fusion Protein; Wnt Surrogate
Predicted Mol Mass:	58.5kDa
Apparent Mol Mass:	66-73kDa, reducing conditions.
Endotoxin:	< 0.01 EU/ μ g as determined by LAL test.
Formulation:	Supplied as a 0.2 μ m filtered solution of 25mM Tris-HCl, 500mM NaCl, pH8.2.
Shipping:	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage:	Store at \leq -70 $^{\circ}$ C, stable for 1 year after receipt. Store at \leq -70 $^{\circ}$ C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Background:	<p>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. WNT signaling plays key roles in the control of development, homeostasis, and regeneration of many essential organs and tissues, including bone, liver, skin, stomach, intestine, lung, kidney, central nervous system, mammary gland, taste bud, ovary, cochlea, and vessels among many others. Modulation of WNT signaling pathways has potential for treatment of degenerative diseases and tissue injuries. And they signal through FZD1-10 and LRP5 or 6, two families of receptors. Endogenous WNTs bind to multiple FZDs and are heavily modified posttranslationally, making them difficult to manufacture consistently. WNT surrogate molecules phenocopied endogenous ligand activities in in vitro reporter assays and intestine organoid functional assays. WNT surrogate molecules can be selective for individual FZD or a subfamily of FZDs in combination with LRP5 or LRP6, depending on the binder specificities.</p>

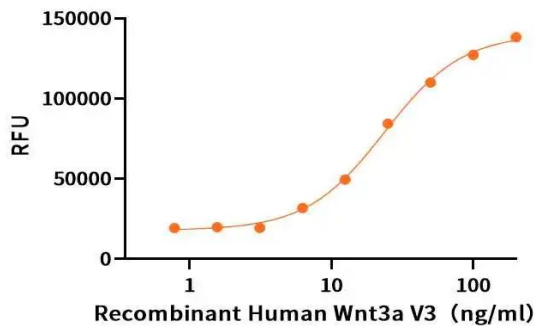


Purity-SDS-PAGE:



Greater than 95% as determined by reducing SDS-PAGE.

Bioactivity-Cell Based Assay:



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(QC varified).

