

Catalog No.: RP01618 **Recombinant**

Species	Gene ID	Swiss Prot
Human		

C-hFC

Synonyms
MGC119418; MGC119419; MGC119420;
protein Wnt-3a; wingless-type MMTV
integration site family; member 3A;
Wnt3a; Wnt-3a

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
57.12 kDa	65-70 kDa

< 1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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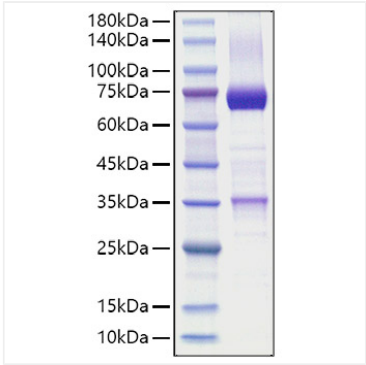
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Description:
Recombinant Human Wnt-3a Protein is produced by HEK293 cells expression system. The target protein is fused with a hFc tag at the C-terminus.

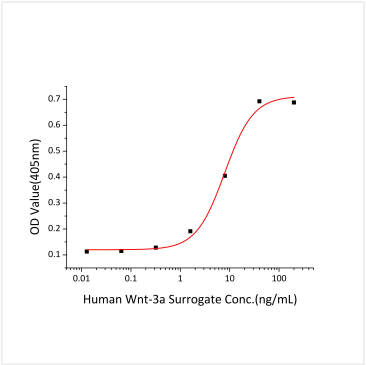
Measured by its ability to induce alkaline phosphatase production by C3H10T1/2 mouse embryonic fibroblast cells. The ED₅₀ for this effect is typically 3.95-15.79 ng/mL, corresponding to a specific activity of 6.33×10⁴~2.53×10⁵ units/mg.

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Wnt-3a Surrogate Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human Wnt-3a Surrogate Protein induce alkaline phosphatase production by C3H10T1/2 mouse embryonic fibroblast cells. The ED₅₀ for this effect is typically 3.95-15.79 ng/mL, corresponding to a specific activity of 6.33×10⁴~2.53×10⁵ units/mg.