

Recombinant Human Wnt-3a Surrogate Protein

Catalog No.: RP01618 **Recombinant**

Sequence Information

Species **Gene ID** **Swiss Prot**
Human

Tags

C-hFC

Synonyms

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

Product Information

Source **Purification**
HEK293 cells > 95% by SDS-
PAGE.

Calculated MW **Observed MW**
57.12 kDa 65-70 kDa

Endotoxin

<1EU/μg

Formulation

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


Reconstitution

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.

Contact

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

Background

Basic Information

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.

Bio-Activity

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.

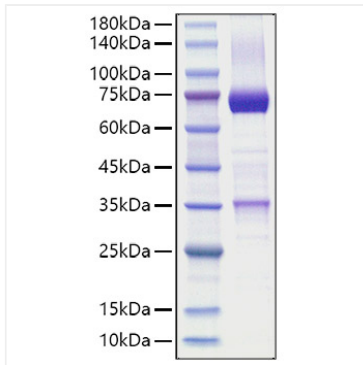
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the
date of receipt.

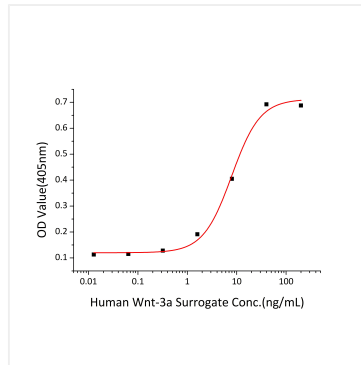
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for
up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human NGS Wnt Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 65-70 kDa.



Recombinant Human Wnt-3a Surrogate Protein induce alkaline phosphatase production by C3H10T1/2 mouse embryonic fibroblast cells. The ED_{50} for this effect is typically 3.95-15.79 ng/mL, corresponding to a specific activity of $6.33 \times 10^4 \sim 2.53 \times 10^5$ units/mg.