

CHAMOT

**重组人Wnt-3a Surrogate蛋白 /Recombinant Wnt-3a
Surrogate, Human, Animal-Free, HEK293**

CM193-5HP

CM193-20HP

CM193-100HP

CM193-500HP

CM193-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人Wnt-3a Surrogate蛋白 /Recombinant Wnt-3a Surrogate, Human, Animal-Free, HEK293

产品编号	规格
CM193-5HP	5 ug
CM193-20HP	20 ug
CM193-100HP	100 ug
CM193-500HP	500 ug
CM193-1000HP	1 mg

产品简介

背景描述

Wnt3a is a secreted glycoprotein that activates the canonical Wnt/ β -catenin signaling pathway, playing a crucial role in embryonic development, tissue homeostasis, and injury repair. However, its experimental application is hindered by poor solubility and cross-reactivity with multiple Frizzled receptors. To address these challenges, engineered Wnt3a surrogate proteins have been developed. These surrogates are water-soluble and designed to specifically bind to targeted Frizzled receptors, effectively mimicking natural Wnt3a activity with enhanced precision. This specificity and improved solubility make Wnt3a surrogates valuable tools in research areas such as organoid culture, stem cell maintenance, and studies of developmental biology.

别称

Wnt3a Surrogate, Wingless-type MMTV integration site family member 3A Surrogate, WNT3A

分子量

The protein has a calculated MW of 58.5 kDa. The protein migrates as 55-75 kDa and 25-35 kDa under reducing condition (SDS-PAGE analysis).

表达系统

HEK293 cell

纯度

>95% as determined by SDS-PAGE.

生物活性

Testing in process

内毒素检测

<0.1 EU per 1 μ g of the protein by the LAL method.

蛋白序列

Human Wnt-3a Surrogate protein is expressed from HEK293 with human IgG1 Fc tag at the C-terminus.

支原体

Not detected

产品形式

The protein was lyophilized from a 0.2 μ m filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

产品应用

Cell Culture

产品储存/运输

储存

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

运输

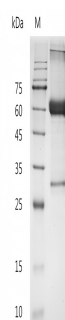
Blue Ice

产品使用

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

实验数据展示

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SDS- PAGE analysis of recombinant human Wnt-3a Surrogate

For Research Use or Further Manufacturing Only

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