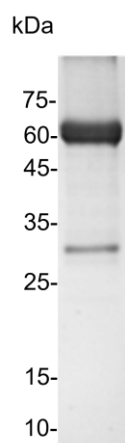


PRODUCT INFORMATION

Recombinant Human Wnt-3a Protein

v. 250901

Catalog number	C01210-20UG / C01210-100UG
Package	20 µg / 100 µg
Description	<p>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.</p>
Species of Origin	Human
Expression System	HEK293
Affinity Tag	hIgG1 Fc (C-term)
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measured by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED ₅₀ for this effect is <20 ng/mL.
Purity	>95% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> ● -20°C for 12 months in lyophilized state from date of receipt. ● -20°C or -80°C for 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>



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

For research use only.