

Recombinant mouse Wnt3a protein ab81484

★★★★★ [2 Abreviews](#) [15 References](#) [1 图像](#)

描述	
产品名称	重组小鼠Wnt3a蛋白
生物活性	<p>The ED<sub>50</sub> was determined by its ability to induced alkaline phosphatase production by CCL-226 cells.</p> <p>The expected ED<sub>50</sub> for this effect is 0.4-0.6 ng/ml.</p>
纯度	<p>&gt; 75 % SDS-PAGE.</p> <p>Greater than 75% by HPLC analyses.</p>
内毒素水平	< 1.000 Eu/μg
表达系统	Cell Culture
Accession	<b><u>P27467</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Mouse
序列	<div>SY PIWWSLAVGP QYSSLSTQPI LCASIPGLVP</div> <div>KQLRFCRNYV EIMPSVAEGV KAGIQECQHQ</div> <div>FRGRRWNCTT VSNSLAIFGP VLDKATRESA</div> <div>FVHAIASAGV AFAVTRSCAE GSAAICGCSS</div> <div>RLQGSPGEGW KWGGCSEDIE FGGMVSREFA</div> <div>DARENRPDAR SAMNRHNEA GRQAIASHMH</div> <div>LKCKCHGLSG SCEVKTCWWS QPDFRTIGDF</div> <div>LKDKYDSASE MVVEKHRESR GWVETLRPRY</div> <div>TYFKVPTERD LVYYEASPNF CEPNPETGSF</div> <div>GTRDRTCNVS SHGIDGCDLL CCGRGHNART</div> <div>ERRREKCHCV FHWCCYVSCQ ECTRVYDVHT CK</div>
氨基酸	19 to 352
额外的序列信息	ab81484 is a monomeric glycoprotein containing 334 amino acid residues. This protein is the mature full length (aa19-352), it does not contain the signal peptide from aa 1-18.

技术指标

Our **Abpromise guarantee** covers the use of **ab81484** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Cell Differentiation
	SDS-PAGE
	Cellular Activation
	HPLC
形式	Lyophilized
补充说明	Endotoxin level is less than 0.2 ng per $\mu\text{g}$ (2EU/ $\mu\text{g}$ ).
	Formulation: Sterile filtered through a 0.2 micron filter. Lyophilized from 10mM Sodium Phosphate, pH 7.5 + 500mM NaCl + 0.5% CHAPS.

## 制备和贮存

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稳定性和存储	Shipped at 4°C. Store at 4°C (up to 6 months). The lyophilized protein is stable for a few weeks at room temperature. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	Constituent: 13% CHAPS
复溶	This product is an active protein and may elicit a biological response in vivo, handle with caution.
	Reconstitute to a concentration of 0.1 mg/mL with ddH <sub>2</sub> O. Store at 4°C for up to 1 week or dilute further in a buffer containing a carrier protein or stabilizer and store working aliquots at -20°C to -80°C for up to 3 months.

## 常规信息

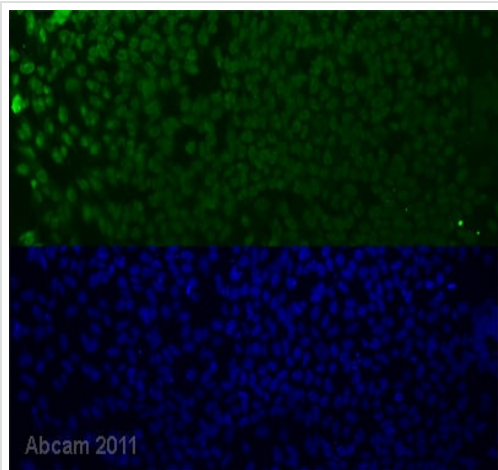
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功能	Ligand for members of the frizzled family of seven transmembrane receptors. Wnt-3 and Wnt-3a play distinct roles in cell-cell signaling during morphogenesis of the developing neural tube.
组织特异性	Moderately expressed in placenta and at low levels in adult lung, spleen, and prostate.
序列相似性	Belongs to the Wnt family.
细胞定位	Secreted > extracellular space > extracellular matrix.

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## 图片

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Cell differentiation - Recombinant mouse Wnt3a protein (ab81484)

This image is courtesy of Emily Moorefield, Wake Forest Institute for Regenerative Medicine, NC, USA

Human embryonic stem cells (HUES4) were differentiated as monolayer cultures on matrigel coated dishes using a protocol described in Kroon et al, Nat Biotechnol. (2008). Inhibin beta A ([ab50051](#)) and Wnt3a (ab81484) were added to cultures to direct differentiation towards definitive endoderm. This image was taken 3 days after induction, where the definitive endoderm marker FOXA2 ([ab40874](#) in green) is abundant. Dapi staining is shown in blue. Magnification: 200x. Negative controls of fluorescently conjugated secondary antibodies only showed no staining.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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