

## Product datasheet

# Recombinant human Wnt7a protein ab116171

### 1 References

#### 製品の概要

製品名	Recombinant human Wnt7a protein
タンパク質長	Full length protein

#### 製品の詳細

由来	Recombinant
由来	HEK 293 cells

#### アミノ酸配列

アクセッション番号 [O00755](#)

生物種 Human

配列  
 LGASIIICNKI PGLAPRQRAI CQSRPDIIIV  
 IGEQSQMGLD ECQFQFRNGR WNCALGERT  
 VFGKELKVGSR EAAFTYAI AAGVAHAITA  
 ACTQGNLSDC GCDKEKQGQY HRDEGWKWGG  
 CSADIRYGIG FAKVFVDARE IKQNARTLMN  
 LHNNEAGRKI LEENMKLECK CHGVSGSCTT  
 KTCWTTLPQF RELGYVLKDK YNEAVHVEPV  
 RASRNKRPTF LKIKKPLSYR KPMDTDLVYI  
 EKSPNYCEED PVTGSGVTQG RACNKTAPQA  
 SGCDLMCCGR GYNTHQYARV WQCNCFFHWC  
 CYVKCNTCSE RTEMYTCK

分子量 36 kDa

領域 32 to 349

#### 特性

Our [Abpromise guarantee](#) covers the use of **ab116171** in the following tested applications.

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

**生理活性** The biological activity of ab116171 is determined by its ability to inhibit Wnt3a induced alkaline phosphatase production in MC3T3-E1 cells. The expected ED<sub>50</sub> for this effect is 40-60 ng/ml.

**アプリケーション** SDS-PAGE  
 Functional Studies

エンドトキシン・レベル	< 0.100 Eu/μg
精製度	> 80 % SDS-PAGE. The purity of ab116171 is greater than 80% by SDS-PAGE gel and HPLC analyses.
製品の状態	Lyophilised

#### 前処理および保存

保存方法および安定性	Shipped at 4°C. Store at -20°C. This product is an active protein and may elicit a biological response in vivo, handle with caution.
再構成	Reconstitute to a concentration of 0.1 mg/ml.

#### 関連情報

機能	Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. Signaling by Wnt-7a allows sexually dimorphic development of the mullerian ducts.
組織特異性	Expression is restricted to placenta, kidney, testis, uterus, fetal lung, and fetal and adult brain.
関連疾患	Defects in WNT7A are the cause of limb/pelvis-hypoplasia/aplasia syndrome (LPHAS) [MIM:276820]; also known as absence of ulna and fibula with severe limb deficiency. LPHAS is a limb-malformation disorder characterized by various degrees of limb aplasia/hypoplasia and joint dysplasia. Defects in WNT7A are a cause of Fuhrmann syndrome (FUHRS) [MIM:228930]; also known as fibular aplasia or hypoplasia femoral bowing and poly- syn- and oligodactyly. Fuhrmann syndrome is a distinct limb-malformation disorder characterized also by various degrees of limb aplasia/hypoplasia and joint dysplasia.
配列類似性	Belongs to the Wnt family.
細胞内局在	Secreted > extracellular space > extracellular matrix.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

#### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.co.jp/abpromise> or contact our technical team.

#### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors