abcam

Product datasheet

# Recombinant human Wnt7a protein ab116171

## 1 References

### 製品の詳細

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| **製品名** | Recombinant human Wnt7a protein |
| **生理活性** | Determined by its ability to decrease alkaline phosphatase activity in CCL-226 cells when treated with 25 ng/ml of Murine Wnt-3a. |
| **精製度** | > 80 % SDS-PAGE.<br>The purity of ab116171 is greater than 80% by SDS-PAGE gel and HPLC analyses. |
| **エンドトキシン・レベル** | < 1.000 Eu/µg |
| **発現系** | HEK 293 cells |
| **アクセッション番号** | O00755 |
| **タンパク質長** | Full length protein |
| **Animal free** | No |
| **由来** | Recombinant |
| **生物種** | Human |
| **配列** | LGASIICNKI PGLAPRQRAI CQSRPDAIIV<br>IGEGSQMGLD ECQFQFRNGR WNCSALGERT<br>VFGKELKVGS REAAFTYAII AAGVAHAITA<br>ACTQGNLSDC GCDKEKQGQY HRDEGWKWGG<br>CSADIRYGIG FAKVFVDARE IKQNARTLMN<br>LHNNEAGRKI LEENMKLECK CHGVSGSCTT<br>KTCWTTLPQF RELGYVLKDK YNEAVHVEPV<br>RASRNKRPTF LKIKKPLSYR KPMDTDLVYI<br>EKSPNYCEED PVTGSVGTQG RACNKTAPQA<br>SGCDLMCCGR GYNTHQYARV WQCNCKFHWC<br>CYVKCNTCSE RTEMYTCK |
| **予測される分子量** | 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.

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| **アプリケーション** | SDS-PAGE<br>Functional Studies |

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| **製品の状態** | Lyophilized |

## 前処理および保存

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| **保存方法および安定性** | Shipped at 4°C. Store at -20ºC.<br>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

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| **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.<br>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. |



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