abcam

Product datasheet

Recombinant human Wnt7a protein ab116171

1 References

概述

产品名称	重组人Wnt7a蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	HEK 293 cells

氨基酸序列

Accession	O00755
种属	Human
序列	LGASIICNKI PGLAPRQRAI CQSRPDAIIV IGEGSQMGLD ECQFQFRNGR WNCSALGERT VFGKELKVGS REAAFTYAII AAGVAHAITA ACTQGNLSDC GCDKEKQGQY HRDEGWKWGG CSADIRYGIG FAKVFVDARE IKQNARTLMN LHNNEAGRKI LEENMKLECK CHGVSGSCTT KTCWTTLPQF RELGYVLKDK YNEAVHVEPV RASRNKRPTF LKIKKPLSYR KPMDTDLVYI EKSPNYCEED PVTGSVGTQG RACNKTAPQA SGCDLMCCGR GYNTHQYARV WQCNCKFHWC CYVKCNTCSE RTEMYTCK
分子量	36 kDa
氨基酸	32 to 349

技术指标

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.

生物活性	The biological activity of ab116171 is determined by its ability to inhibit Wnt3a induced alkaline phosphatase production in MC3T3-E1 cells. The expected ED_{50} for this effect is 40-60 ng/ml.
应用	SDS-PAGE Functional Studies

内毒素水平	< 0.100 Eu/µg
纯度	> 80 % SDS-PAGE. The purity of ab116171 is greater than 80% by SDS-PAGE gel and HPLC analyses.
形式	Lyophilised

制备和贮存

稳定性和存储	Shipped at 4°C. Store at -20ºC. This product is an active protein and may elicit a biological response in vivo, handle with caution.
复溶	Reconstitute to a concentration of 0.1 mg/ml.

常规信息

功能	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.
组织特异性	Expression is restricted to placenta, kidney, testis, uterus, fetal lung, and fetal and adult brain.
疾病相关	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.
序列相似性	Belongs to the Wnt family.
细胞定位	Secreted > extracellular space > extracellular matrix.

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