abcam

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	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
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_{50} 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 -20ºC. 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.

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