

Recombinant human SFRP1 protein ab64445

2 References

描述	
产品名称	重组人SFRP1蛋白
生物活性	Biological Activity :Determined by its ability to inhibit BMP-2 proliferation effect of ATDC-5 cells. The expected ED50 is 0.3-0.5 µg/ml.
纯度	> 95 % SDS-PAGE. Purity: Greater than 97% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
表达系统	HeLa cells
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	SEYDYVSFQS DIGPYQSGRF YTKPPQCVDI PADLRLCHNV GYKKMVLPNL LEHETMAEVK QQASSWVPLL NKNCHAGTQV FLCSLFAPVC LDRPIYPCRW LCEAVRDSCE PVMQFFGFYW PEMLKCDKFP EGDVCIAMTP PNATEASKPQ GTTVCPPCDN ELKSEAIIEH LCASEFALRM KIKEVKKENG DKKIVPKKKK PLKLGPIKKK DLKKLVLYLK NGADCPCHQL DNLSHHFLIM GRKVKSQYLL TAIHKWDKKN KEFKNFMKKM KNHECPTFQS VFK
氨基酸	32 to 314

技术指标

Our **Abpromise guarantee** covers the use of **ab64445** in the following tested applications.

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

应用	Functional Studies
	SDS-PAGE
形式	Lyophilized

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C..

This product is an active protein and may elicit a biological response in vivo, handle with caution.

复溶

Reconstitute with 200µl of sterile water.

常规信息

功能

Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types. SFRP1 decreases intracellular beta-catenin levels (By similarity). Has antiproliferative effects on vascular cells, in vitro and in vivo, and can induce, in vivo, an angiogenic response. In vascular cell cycle, delays the G1 phase and entry into the S phase (By similarity). In kidney development, inhibits tubule formation and bud growth in metanephroi (By similarity). Inhibits WNT1/WNT4-mediated TCF-dependent transcription.

组织特异性

Widely expressed. Absent from lung, liver and peripheral blood leukocytes. Highest levels in heart and fetal kidney. Also expressed in testis, ovary, fetal brain and lung, leiomyoma cells, myometrial cells and vascular smooth muscle cells. Expressed in foreskin fibroblasts and in keratinocytes.

序列相似性

Belongs to the secreted frizzled-related protein (sFRP) family.
Contains 1 FZ (frizzled) domain.
Contains 1 NTR domain.

结构域

The FZ domain is involved in binding with Wnt ligands.

细胞定位

Secreted. Cell membrane or extracellular matrix-associated. Released by heparin-binding.

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